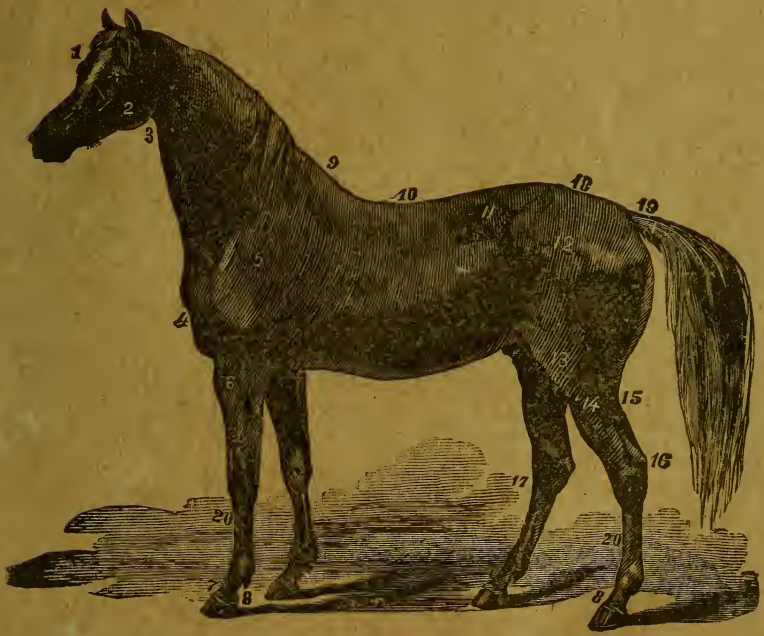
A TREATISE

ON

THE HORSE

AND HIS DISEASES.



For explanation of numbers on this horse see 2nd page.

PUBLISHED BY

DR. B. J. KENDALL COMPANY,

ENOSBURG FALLS, VT.

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For the Treatment and Cure of the most common ailments affecting the Horse.

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PUBLISHERS' ANNOUNCEMENT.

With the present issue of this book, we have published about 10,000,000 copies, and it is with a feeling of great satisfaction, for the reason that it has had such a remarkable demand, and is giving the very best of satisfaction. Thousands who have read it commend it, and many good horsemen have extolled its merits in the highest terms, stating they prefer it to books which cost five or ten dollars. This book contains nothing which should exclude it from the most refined family, but rather it should be read by everybody, as it teaches humane principles, and has a tendency to elevate the morals, by reminding all that "*a merciful man is merciful to his beast.*"

For the ENGLISH, FRENCH, GERMAN or NORWEGIAN Editions of this book, address DR. B. J. KENDALL CO., ENOSBURG, FALLS, VT.

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A TREATISE

ON

THE HORSE

AND

HIS DISEASES.

ILLUSTRATED.

CONTAINING AN "INDEX OF DISEASES," WHICH GIVES THE SYMPTOMS, CAUSE, AND THE BEST TREATMENT OF EACH; A TABLE GIVING ALL THE PRINCIPAL DRUGS USED FOR THE HORSE, WITH THE ORDINARY DOSE, EFFECTS, AND ANTIDOTE WHEN A POISON; A TABLE WITH AN ENGRAVING OF THE HORSE'S TEETH AT DIFFERENT AGES, WITH RULES FOR TELLING THE AGE OF THE HORSE; A VALUABLE COLLECTION OF RECEIPTS, AND MUCH OTHER VALUABLE INFORMATION.

BY

DR. B. J. KENDALL CO.,

ENOSBURG FALLS, VT., U.S.A.

REVISED EDITION.

ENOSBURG FALLS, VT.:

DR. B. J. KENDALL COMPANY, PRINTERS.

1914.

PREFACE

It has been one of our greatest aims, in preparing matter for this book to make it as plain as possible for non-professional readers, and to give them information which is of the greatest importance to horsemen, and yet avoid all technical terms as much as possible, and also condense the book as much as we can without leaving out the real essential information in treating each subject.

It contains an *Index of Diseases*, giving a description of each, with causes, symptoms and treatment. Also, a large collection of *Valuable Receipts* of which many single receipts are worth, to every horse owner, several times the price of the book.

The treatment given for each disease will be found reliable. To aid non-professional horse owners, in deciding what the disease may be, we give engravings which show the positions taken in the different stages of diseases, and which are of great value in coming to a positive conclusion as to the nature of the disease.

EXPLANATION OF THE ENGRAVING ON THE COVER.

1. Forehead.
2. Jaw.
3. Throat.
4. Breast.
5. Shoulder.
6. Arm.
7. Large Pastern.
8. Small Pastern.
9. Withers.
10. Back.
11. Loin.
12. Hip.
13. Stifle.
14. Thigh.
15. Hamstring.
16. Point of the Hock.
17. Hock.
18. Croup or Rump.
19. Dock.
20. Cannon-Bones.

INDEX OF DISEASES.

ABSCESS OF THE BRAIN is caused by some injury to the head.

Symptoms.—Refuses food; acts dull; a slight oozing from a trivial injury upon the skull; the animal is prostrated, and while lying down continues to knock his head against the ground violently until death ensues.

Treatment.—No treatment is of any service.

ABDOMINAL DROPSY is usually the result of chronic inflammation of the bowels.

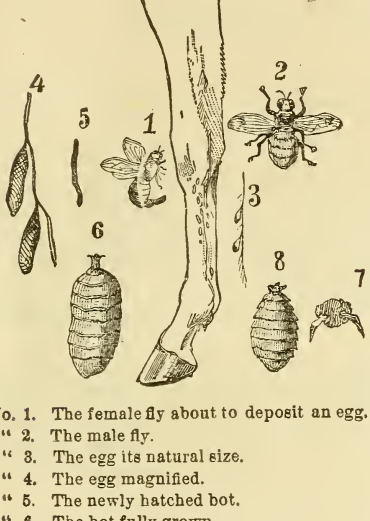
Symptoms.—Head hanging; mouth dry; membranes look pale; pulse hard. If the horse turns about suddenly the act will elicit a grunt. Pressure on the abdomen will cause him to groan. A lack of spirits; lies down constantly if left to himself; is restless, thirsty, no appetite; is weak, abdomen enlarged yet the horse quite thin in flesh, hide-bound and constipated. One of the legs and the sheath are sometimes swelled.

Treatment.—Begin the treatment as soon as you can decide as to the nature of the disease. Give, night and morning, 20 grs. extract of belladonna, 10 grs. sulphate of quinine, 35 grs. iodide of iron, ½ gr. strychnia. Mix, and give at each dose. Mix 5 ozs. tincture of iodine and 2 ozs. croton oil, and apply a little to a portion of the abdomen by rubbing down to the skin and shifting to a different location when the skin becomes sore. Some cases are incurable.

BOTS.—The stomach seems to be the natural nursery for the protection and the propagation of the stomach bot. When the eggs have remained in the stomach for a year they become a perfect chrysalis (that is, the form of a butterfly before it reaches the winged state), and then they release their hold of the stomach and are expelled with the dung. It will be provided with wings in a short time, and will fly about commencing the propagation of its species which passes through the same period of incubation.

They are of two kinds, stomach and fundament bots. The stomach bots are the result of turning horses into pasture in the summer months, and are produced from the eggs laid on the fore legs of the horse by the bot fly.

Symptoms are an unthrifty coat, and loss of flesh after running out to pasture.



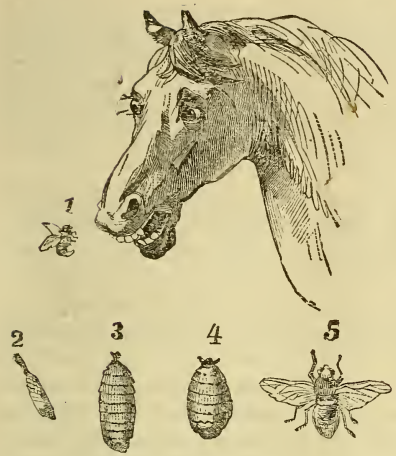
No. 1. The female fly about to deposit an egg.
" 2. The male fly.
" 3. The egg its natural size.
" 4. The egg magnified.
" 5. The newly hatched bot.
" 6. The bot fully grown.
" 7. The head of a bot magnified.
" 8. The chrysalis.

All horses which run out to grass are quite sure to have bots in their stomachs, and as there is so much misconception about bots and their destructiveness to horses we copy the result of a series of experiments with bots three-fourths grown.

When immersed in rum they live twenty-five hours; decoction of tobacco, eleven hours; strong oil of vitriol, two hours eighteen minutes; essential oil of mint, two hours five minutes Were immersed without apparent injury, in spirits of camphor, ten hours; fish oil, forty-nine hours; tincture aloes, ten hours; in brine, ten hours; solution indigo, 10 hours. A number of small bots, with one that was full grown, were immersed in a strong solution of corrosive sublimate, one of the most powerful poisons; the small ones died in one hour, but the full grown one was taken out of the solution, six hours after its immersion, apparently unhurt.

It will be seen by the above experiments, that no medicine can be given which will affect the bot, that will not destroy the coating of the stomach, and injure or kill the horse. No veterinary surgeon can distinguish the symptoms of bots from those of colic. In fact, there is but little doubt that ninety-nine out of every one hundred cases of belly ache are no more nor less than colic and not bots, and should be treated as we direct in the treatment of colic.

Treatment.—The general condition of the horse should be improved, so that the debilitating effects of the bots may not interfere with the general health of the horse. It is generally considered impossible



No. 1. The female about to deposit an egg.
" 2. The egg magnified.
" 3. The bot.
" 4. The chrysalis.
" 5. The male fly.

to expel or destroy the bots. Give the following tonic medicines to improve the general condition: pulv. gentian ¼ lb., pulv. copperas ¼ lb., pulv. fenugreek ½ lb., pulv. elecampane ¼ lb. Mix well, and give a large tablespoonful once a day.

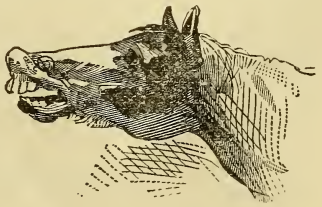
Fundament Bot. — Like the stomach bot, this is also the result of running out to grass. Instead of the eggs being deposited on the legs they are deposited on the lips of the horse. They are found in the rectum, and often seen about the anus and under the tail.

Treatment.—Injections of raw linseed oil, or of tobacco smoke.

BOWELS, INFLAMMATION OF.—The symptoms are very severe pain in the belly, varying from those of colic in being a continuous pain (while in colic there are intervals of rest from pain), rolling, pawing, sweating, rapid breathing with an inclination to shift about, with great fever and excitement. The disease comes on more gradually than colic (which see), legs and ears cold, belly tender and painful on pressure. (See cut for position of nose, etc.)

Causes. — Constipation, exposure to cold, drinking cold water in large quantities when hot, hard driving, diarrhœa, and as a sequel to colic.

The above named causes, when occurring in a horse predisposed to the disease, are quite liable to bring it on.



A GENERAL SYMPTOM OF ABDOMINAL IRRITATION.

Treatment.—If the cause is constipation, give a quart of raw linseed oil, and, if necessary, add from four to six drops croton oil. If the cause is over-purging, give an ounce and a half of tincture of opium in a half pint of water. If

the cause should be other than costiveness or diarrhœa, give thirty drops of the tincture of aconite root, and repeat it in two hours. Apply blankets, wrung out of hot water, to the belly, and renew them every fifteen minutes. Give injections of warm (not hot) water, castile soap, and a handful of table salt every half hour until the bowels move some. There is a diversity of opinion in regard to bleeding. It is my opinion that it is of doubtful utility in this disease.

BRONCHITIS.—This disease consists in an inflammation of the air passages of the lungs. It is a very common disease among horses, and is sometimes confounded with inflammation of the lungs (or lung fever), distempers and colds.

Symptoms.—Begins with a chill, fever, harsh cough, labored breathing, mouth hot and dry, with loss of appetite, and in one or two days a discharge from the nostrils will be observed.

Treatment.—Give the horse a good, comfortable place (not too close nor the reverse). Give fifteen to twenty drops tincture of aconite root, and repeat every four hours until six doses have been given, which will probably relieve the fever. Let the horse have plenty of cold water to drink. We would discourage the idea of bleeding, as it would be more likely to do harm than good.

After the fever has subsided (which will probably be about the second day), give a few powders of the following: Mix pulv. licorice root, pulv. fenugreek and pulv. gentian, two ounces of each, and divide into six powders and give in feed two or three times a day.

CHRONIC BRONCHITIS is the result of bad treatment of acute bronchitis, and when the attack has been prolonged for some time.

Symptoms.—A cough which seems to be confirmed, with discharge from the nostrils, and cough worse after drinking and in the morning.

Treatment.—Take eight ounces pulv. gentian and four ounces pulv. sulphate of iron. Mix thoroughly and divide into thirty-five powders and feed twice a day until all has been given; then make an ointment of red iodide of mercury, one drachm, lard, one ounce, thoroughly mixed together. Apply the above named ointment down the course of the windpipe, and the next day apply sweet oil or lard to keep the skin from cracking. Repeat the application of the ointment in one week.

BURNS AND SCALDS.—When the burn is so deep as to destroy the skin and superficial tissues, we would recommend raw linseed oil, applied with bandages, to protect the parts from the air, and allowed to remain for several days.

But when the skin is not destroyed we have found that "Kendall's Spavin Cure" is an excellent remedy for such burns on man; so we feel certain it will work equally well on any animal.

CALLUS.—A callus is a thickening of the cuticle or of any soft part, caused by pressure or friction, or it may be the result of some injury which after remaining sore for some time finally heals, leaving a thick, hard and enlarged surface which we term callus, and which not only injures the sale of the horse but is also a constant "eye-sore" to the owner.

Treatment.—We can only recommend one course, as we have had no experience with any other which proved successful, and that is to apply Kendall's Spavin Cure two or three times a day, for several weeks, as directed for spavin. These can not generally be removed very quickly, yet if the above plan is followed out it is sure to be effectual.

CAPPED ELBOW.—(Shoe Boil.) This enlargement on the point of the elbow is on the side of the chest just behind the shoulder. It is a tumor (or sometimes a simple abscess) caused by direct pressure against the calk or heel of the shoe; particularly when the latter is allowed to protrude too far backward. Pads are made by harness makers which are quite useful in protecting the parts while the horse is lying.

Treatment.—If the tumor is soft and shows signs of containing pus, it would be well to open it and allow the matter to escape. Some recommend that the tumor be dissected out with a knife and then treated as any simple wound by keeping clean until it heals. "Kendall's Spavin Cure" has been used with very gratifying results for Shoe Boil. It should be applied twice a day for some time, the same as when it is desired to remove any enlargement. Some get an idea that if a bottle of "Kendall's Spavin Cure" is applied, it will do as much good to apply the whole in two to four days as to be as many weeks in using it, but we would like to have it remembered that it takes time to remove any enlargement, and especially if it has existed for any length of time, therefore we say it is not so much in the quantity used in a given time as in the length of time it is used. We know of no remedy that is so certain to remove Shoe Boil, when properly used, as "Kendall's Spavin Cure."

CAPPED HOCK.—This is a soft swelling on the point of the hock joint. It is caused by kicking in the harness or stable, or by being kicked by another horse, and rarely causes any lameness.

Treatment.—Kendall's Spavin Cure used as for capped elbow is a safe and sure remedy.

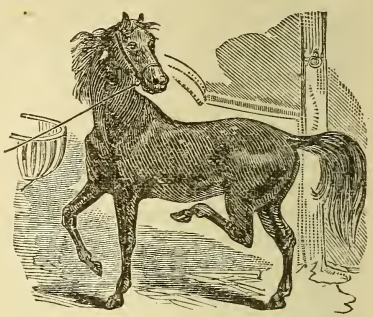
CAPPED KNEE.—Caused by some injury to the knee.

Symptoms.—A soft tumor in front of the knee.

Treatment.—If left alone it would probably burst and leave a permanent blemish. If the tumor is hot, bathe first with cold water to reduce the heat, or bind on cloths wet with cold water and change often, then apply Kendall's Spavin Cure as directed for capped elbow.

CAUTERY.—(*Firing.*) This cruel and inhuman practice is one which has been practiced in the past, and perhaps is to a slight degree now, but we sincerely believe it to be one which ought to be forbidden by all humane societies, as the cases which are benefited are *very* few, if any, that could not be benefited by milder and more humane means. (See Firing Horses.)

COLIC.—Colic is a very common as well as a very dangerous disease. There are two forms: Spasmodic and Flatulent Colic. The former is of a spasmodic nature, and will, in severe cases, run into inflammation of the bowels and cause speedy death, if not relieved.



FIRST STAGE OF SPASMODIC COLIC.

Causes of Spasmodic Colic are drinking cold water when in a heated condition, costiveness, unwholesome food, undue quantity of food, etc.

Symptoms.—The horse is suddenly attacked with pain, and shows evidence of great distress, shifting his position almost constantly, and manifesting a desire to lie down. But in a few minutes these symptoms disappear, and the horse is easy for a short time, when they return with increasing severity until the horse can not be kept upon his feet.

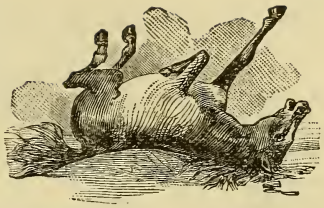
A cold sweat generally breaks out over the body. The legs and ears remain at about the natural temperature.

He looks around to his flanks, mostly at the right side, as if pointing out the seat of the disease, scrapes the ground with his forward foot, and will almost strike his belly with his hind foot.

SECOND STAGE OF SPASMODIC COLIC.

The horse heaves at the flanks; he kicks and rolls, and seems much excited, and sometimes acts as though he wanted to make water, which he can not do, on account of the urethra being spasmodically contracted. This symptom need not be treated (as it frequently is), for as soon as the horse is relieved of the colic, he will pass water freely. Therefore follow the treatment we give on next page, and relieve the colic as soon as possible.

As the disease advances the horse will frequently throw himself down with force, look anxiously at the sides and sometimes snap with his teeth at his sides, and strike upwards with his hind feet as they do many times with inflammation of the bowels.



THIRD STAGE OF SPASMODIC COLIC.

Symptoms of Colic.	*Symptoms of Inflammation of Bowels.*
Attacked suddenly.	Symptoms come on gradually.
Intervals of rest.	In constant pain.
Pulse not much altered in the early stage of the disease.	Pulse small and much quickened, and scarcely to be felt many times.
Rubbing belly gives relief.	Belly quite tender and sore to the touch.
Ears and legs of natural temperature.	Ears and legs cold.
Motion gives relief.	Motion increases pain.
Strength scarcely affected.	Strength rapidly failing.

Treatment. Relieve the pain by giving one ounce sulphuric ether, two ounces of tincture of opium (laudanum) and a pint of raw linseed oil, and, if not relieved in an hour, repeat the dose. If there is not relief in a reasonable length of time after the second dose is given, some recommend bleeding from six to ten quarts from the neck vein, but we think it is *rarely* necessary to do this. Occasionally walk the horse about to excite the bowels to action.

The following mixture is said to be very good:

Take aromatic spirits of ammonia 1 pint, sulphuric ether 1 pint, sweet spirits of nitre 1½ pints, gum opium (made fine) 4 ounces, camphor gum 4 ounces, assafœtida 4 ounces. Mix all together, and shake frequently for twelve or fifteen days; then filter or strain through flannel, and it will be ready for use. Dose—one tablespoonful in a little water, repeated in thirty minutes. A larger dose may be given sometimes in very severe cases.

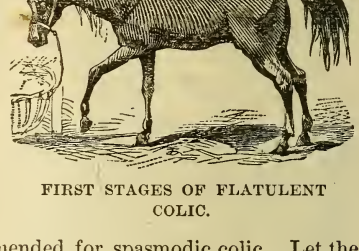
Another excellent remedy, which is always at hand, is one heaping tablespoonful of saleratus mixed with one pint of milk, and given at one dose.

Always begin the treatment as soon as possible.

Flatulent Colic, Windy Colic, etc.—The horse is uneasy, hangs the head, and exhibits a few of the general symptoms of spasmodic colic before there is any enlargement of the belly; but more particularly after, for as

soon as the belly swells the pawing commences, although it is not so violent as in spasmodic colic.

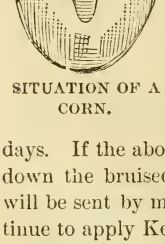
There is but little rolling or kicking at the belly as in spasmodic colic, and the horse is not inclined to move about much. After from one to four days the belly becomes much increased in size (if the disease is not checked), and the animal becomes restless.



FIRST STAGES OF FLATULENT COLIC.

Treatment.—Do not bleed for flatulent colic. Try an injection first, and if gas or wind come away with it, the patient will most likely recover soon; but if no benefit is derived from the injection, give the remedies as recommended for spasmodic colic. Let the horse be led around quietly until the medicine has had time to take effect, so as to prevent his falling or rolling, as it might cause rupture of the diaphragm.

CORNS appear in the angle of the hoof near the heel, and are generally caused by the shoes being worn too long, causing the shell of the hoof to grow over the shoe, which allows the weight to press upon the sole; or the shoe gets moved from its proper position, or perhaps never was placed there. As a general rule, the production of corns may be laid to the shoer.



SITUATION OF A CORN.

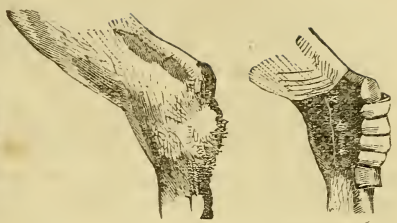
Upon cutting away the horn there will be found a red spot; but if very bad, the color will be a dark purple, and it will be deeper seated.

Treatment.—Dress down the bruised part until quite thin, and apply Kendall's Spavin Cure quite freely, and then put on the shoe, so fitted that there will be no pressure on the part. Apply the Spavin Cure for several days. If the above treatment fails (which it probably will not), then dress down the bruised part, thin as before, and apply Kendall's Blister (which will be sent by mail on receipt of 50 c.), thoroughly rubbed in, and continue to apply Kendall's Spavin Cure, as recommended in treatment of bone spavin.

CURB.—This is one of the many diseases of the hock-joint, and consists of an enlargement or gradual bulging out at the posterior part of the hock. (See engraving.)

Cause.—Curb is generally caused by a strain from galloping on uneven ground, wrenching the limb, prancing and leaping, etc. It is one of the evils which occur among the better breed of horses. Man delights in

SOUND HOCK. CURB.



CURB. BANDAGE.

THE SUREST METHOD OF PRODUCING CURB.

showing off the animal he is mounted upon, and so it has ever been with man, woman or child; they are always pleased by the prancing of the horse, which, nevertheless, is a very fruitful cause of curb. Pulling horses up suddenly on their haunches is asserted to be a frequent cause of curb.

Treatment.—Perfect rest; if hot, bandage it and keep it constantly wet with *cold water* and saltpetre for a few days until the inflammation has ceased, then apply Kendall's Spavin Cure two or three times a day, and rub well with the hand. In some cases it is well to apply the bandage after each application of Kendall's Spavin Cure, always applying the bandage as smooth as possible and rather tight. In very bad or very old cases we would recommend using Kendall's Blister, as directed for ring-bone.

DEBILITY.—This condition accompanies many diseases; for this reason anything which has a tendency to reduce the strength of the horse should be avoided while treating the various diseases, especially of the chest.

Symptoms of general debility are swelling of the legs, breast, belly and sheath. The horse is very weak, and staggers as he walks.

Causes are bleeding in treating diseases, starving, and insufficient and improper diet given to sick horses when they should have been supported by good and sufficient food during their sickness.

Treatment.—Give the tonic powders which we recommend under the head of Bots, once or twice a day, with a liberal amount of good feed and water, and allow him to recover wholly before putting him into hard work.

DEFORMITIES IN YOUNG COLTS, are usually caused by an insufficient nourishment; but if the colt is taught to suck milk from a bottle or something else, so as to become well nourished, deformities of the limbs will usually be removed.

DIARRHŒA.—When this disease is not attended with pain, griping or pawing, as in colic, it will generally require no treatment, but if it continues, and the horse shows signs of pain or colic, there is reason for the belief that there is some irritating poison retained in the bowels which does not pass away in the excrement. (See Dysentery.)

Treatment.—Treatment that will allay pain is demanded.

Give twenty drops of tincture of aconite root in a little water, and follow with a powder as given below, every three hours, until the horse is better. Take prepared chalk, 5 drachms; catechu, pulverized, 1 drachm; pulverized opium, 10 grains; mix, and give as stated above. Give plenty of good cold water to drink.

When the diarrhœa is better, give bran mash for a few days, and add a little ground flaxseed if convenient.

DYSENTERY, ACUTE.—This disease in the horse is very violent, because the length and size of the intestines of the horse render any disease within them a very serious affair.

Cause.—Acute dysentery is caused by taking some acrid substance into the stomach, such as croton oil with aloes, which produce an inflammatory purgation; or from the injudicious use of various poisons, such as tartar emetic, corrosive sublimate, blue vitriol, arsenic, etc., etc. Nearly all of these substances will be eaten readily if mixed with the grain, therefore any person not knowing the proper quantities of such poisons to give, should not venture to use them.

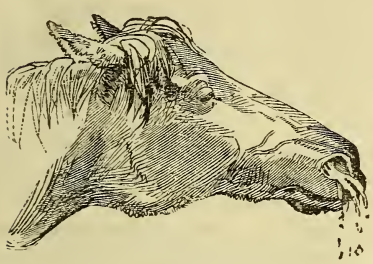
Symptoms are obscure at the commencement. As in nearly all disorders of the intestines, so in this, there is pain in the abdomen. The pain may be slight at first or it may be so violent as to be confounded with the pangs of colic; the thirst is excessive; the stench offensive.

The position of the body, as shown in the engraving, is expressive of abdominal pain.

SUFFERING FROM THE EFFECTS OF A POWERFUL POISON.

Treatment the same as for diarrhœa, with larger doses of opium when the pain is violent. Keep the horse and stable clean, and give the horse good care. Do not be concerned about the bowels if they do not move at all for several days.

DISTEMPER.—(Strangles.) This form of sore throat is characterized by swelling between the bones of the lower jaw, which terminates in an abscess.



STRANGLES.

Cause.—A specific poison in the blood, which but few horses escape.

Treatment. — The opinions of different veterinarians vary in regard to the treatment, some recommending poultices while others forbid it, etc., but the following plan is undoubtedly as good a one as any.

Give grass or soft feed and but little, if any, medicine, and if thought best to do anything to hasten the suppuration apply warm poultices, or some like blistering. The appetite will return when the abscess breaks or is opened.

EPIZOOTIC.—This disease attacks many animals at the same time, and originates in one common cause.

Treatment.—A few years ago, when nearly every horse in the country had this disease, hundreds were either not treated at all or improperly treated, and consequently many were left in a bad condition, which they did not outgrow for months, and others died for want of proper treatment. At this time I was called upon to prescribe for many, and I soon found that Prof. Flint's Horse and Cattle Renovating Powders were the very best thing I could give. Dose: tablespoonful three times a day at first, and then only twice each day.

Every horse that took the above powders recovered fully, and none were troubled with the bad after-effects which followed many that received no treatment.

FARCY.—This is a scrofulous disease affecting the horse.

Symptoms.—The hair looks rough and unhealthy; one of the legs will generally swell to a very large size, generally the fore leg—hot and painful—and in a short time will break out in small running sores, discharging a thin, unhealthy fluid, and sometimes the discharge is thicker.

On the side of the neck, body or inside of the leg will be felt a thick substance under the skin but somewhat elevated and hardened, and interrupted at distances with a small sore similar to that on the leg. In some cases soft, puffy swellings will be found about many parts of the body.

Cause.—Poorly ventilated stables which are overcrowded with horses; inoculation from the virus of the glandered or farcied horses, and this virus producing a ferment in the blood. Absorption of pus into the blood is liable to produce either farcy, glanders or some other zymotic disease.

Treatment.—Understanding the cause of this disease you will readily see what the treatment should be—that by removing the cause the effects will cease. Give a tablespoonful of sulphite (not sulphate) of soda twice a day.

This remedy will stop all fermentation and purify the blood. It would be well to continue the sulphite of soda two or three times a week for a few weeks after the horse seems to be well.

After leaving off the sulphite of soda give the tonic powders as directed in the treatment for bots, to improve the general condition of the horse. Give good and generous feed.

Another plan is to give the following powders once or twice a day: Take sulphur, 8 ozs.; saltpetre, 4 ozs.; black antimony, 2 ozs.; mix, and give one tablespoonful.

Another mode of treating this disease is to give three drachms of sulphate of copper every night, in the food, until the horse refuses to eat. After a few days, repeat; but if the case is bad, give the medicine as a drench in water, for ten days, if he will not take it in his food.

The horse, as well as all his clothing and articles used in feeding him, should be removed from all healthy animals, as this is one of the contagious diseases of the horse.

FIRING HORSES.—I can fully indorse the following statements of Dr. Robt. McClure in regard to this inhuman practice. He says: "This is an operation which is a great favorite, and in much repute among horse doctors. For my part I think it not only cruel and barbarous, but unnecessary, doing no good whatever, and in many cases a positive injury, the effects of which will never disappear from the legs and body while the animal lives. Firing is intended by its advocates to prevent and cure spavin, curbs, sprains and ring-bones by scoring the parts with a red hot iron in lines over the part that is thought will *be* diseased or is already so." (See Cautery.)

FOOT DISEASES.—*Navicular disease.*—(See engraving on cover for location.)

This is a serious disease, and is sometimes very obscure in its symp-

toms, according to the stage of the disease. Fortunately this disease is rarely met with, but it is a fruitful cause of permanent lameness. It is many times attributed to some difficulty in the shoulder.

Cause.—Hard work upon pavements causing slight inflammation which is neglected, and the horse kept at work so that the inflammation continues until it ends in ulceration.

Symptoms are obscure and yet very much like many of the symptoms of other diseases of the feet and legs and shoulders. It is determined chiefly by an undue amount of heat in the foot, and by the fact that no disease can be found elsewhere or of a different character.

Treatment.—Raise the foot and pour Kendall's Spavin Cure on to the frog and the back part of the foot and heel, and rub it well up into the hair, repeating this process two or three times a day, for two or three weeks, or more, if necessary. In bad cases, if the lameness does not subside in two or three weeks, we would recommend to blister as recommended for ring-bone, and follow up with the use of Kendall's Spavin Cure. The above treatment has proved to be the most satisfactory of any treatment known to us.

Poultices sometimes relieve the pain.

FOUNDER. (*Laminitis.*)—This disease is inflammation of the sensitive laminæ of the foot, of which there are two kinds, acute and chronic, the latter being a continuation of the former. The acute form is invariably cured, if properly treated, but the chronic form is generally considered incurable ; it can be relieved very much, but the feet are always afterwards sore and tender in front.

Cause.—Allowing to drink cold water, when overheated and tired from overwork, standing in the cold air (or where the wind will strike the horse) while warm, driving through a river while warm, long and hard drives over dry roads, etc.

Symptoms.—The horse will stand upon his heels, with fore feet and legs stretched out as far as he can get them so as to throw the weight off as much as possible ; and he can scarcely be made to move. The horse has fever and considerable constitutional disturbance, in the acute form of the disease.

Treatment (of acute founder.)—Give the horse a good bedding of straw, in a large, well ventilated stall, so as to encourage him to lie down, which, by removing the weight from the inflamed parts, will relieve his sufferings very much and assist in hastening the cure. As soon as his bed is fixed, give him twenty drops of the tincture of aconite root in a half pint of cold water, poured into his mouth with a bottle having a strong neck, and repeat this dose every four hours until six or eight doses have been given. Also apply a cloth wet in ice-water to the feet, and keep wet with the same for

several hours until the severe pain has been relieved. Wet the cloths often, and continue for two or three days, or longer if necessary. Give plenty of cold water to drink. The above treatment should be adopted as soon as possible after the horse has been attacked with founder. Let the horse have rest until he has fully recovered. Give grass or mashes for two or three days, and then give a good and fair amount of feed.

After the treatment recommended above, if there should still be tenderness, we would recommend the use of Kendall's Spavin Cure to remove it, as directed for foot diseases.

Although bleeding is quite strongly recommended by some, yet I am firmly of the opinion that the above plan, if properly carried out, will be much more successful.

CHRONIC FOUNDER in its worst form is not curable, but may be palliated. The treatment should depend principally upon softening the hoof by oiling well with castor oil, and continuing to keep the hoof well oiled on the bottom and sides up on to the skin.

We would also recommend in shoeing to place a piece of sole leather which will cover the whole of the bottom of the foot under the shoe and drive the nails through the leather so as to hold it as long as the shoe remains on, then pack oakum or cotton batting saturated with tar under the leather so as to soften up the bottom of the hoof. This works admirably in many cases.

Some pare the soles of the feet and then allow them to stand in about six inches of sawdust, wet a little every morning for two or three weeks. This is also a good plan to follow when horses are recovering from acute founder.

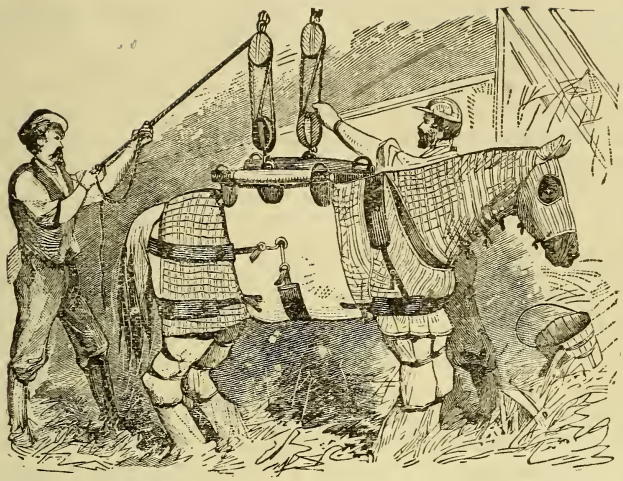
The treatment most likely to effect a permanent cure is that recommended for foot diseases, which see.

FRACTURE.—The term fracture is here used to signify a broken bone. A fracture is termed *simple* when the bone only is divided; *compound*, when in addition there is an external wound of the integuments communicating with it; *comminuted*, when the bone is broken or crushed into several pieces.

The simple fracture is the only variety which calls for much notice, in view of the fact that it is usually of but little use to attempt to treat either of the other two varieties.

Many cases of simple fracture may be successfully treated so that the horse will be useful for many purposes, if not for driving.

Symptoms.—A broken bone is usually detected quite easily, especially when it is a long bone of the leg, as the horse has not the power to move, and also by the looseness of the leg. The horse is in great pain, excitement, sweating, etc.



A GOOD WAY TO SLING A HORSE WHEN IT IS THOUGHT BEST TO DO SO.

Treatment.—If in the summer season, place the horse in the field or yard, but in winter in a large, comfortable stable or in the barn-yard, if well protected from wind and storm. Do not give too much bedding nor allow anything to be in the way of the foot, so that it can be carried without interruption. Give twenty-five drops tincture aconite root every five hours, for the first twenty or twenty-five hours, to lessen the fever and pain.

Place the broken leg in a position as near like the other as possible in shape and also (by actual measurement) to be of the same length, for it is by neglecting the measurement that some are left to unite shorter than the sound leg.

When the leg is placed in the same shape and length of the sound one, apply a good coating of tar to the leg, around, below and above the point of fracture. Then wrap the whole leg in carded cotton or coarse tow, and place over this splints cut out of pieces of boards, which will rest evenly upon the leg prepared as above, and fill all unevenness with the tow or cotton.

Have three or four splints, so as to hold the leg in position constantly. Secure the whole by carefully applying a strong bandage, or by tying with soft cord, and make it perfectly secure, so that the horse will not move the leg where fractured before it has had time to unite.

It is considered by some as bad practice to sling a horse from his feet

in cases of fracture, and he will seldom put his foot to the ground until the fracture has united, so that it is not necessary to sling.

Examine the splints daily and see that they do not get loose.

Give the horse a liberal amount of good feed and cold water.

When the horse is kept in a stall it is well to make a hole in the floor, underneath the foot of the broken leg, so that he can stand with the leg at full length.

With the splints properly applied the horse may safely be left to himself and nature will do the rest.

FROST BITES.—A state of numbness or torpifaction of a part of the body, caused by intense cold, which, unless relieved by proper remedies, is liable to be followed by death of the part. Horses are most liable to be troubled with frost-bites on the heels and the back part of the hind legs, which swell badly, and are sometimes mistaken for scratches.

Treatment.—It is very important in the treatment of frost-bites that heat should not be applied suddenly, but that very cold water be applied, by which means the frost is extracted very slowly.

Any frozen parts should not be rubbed until the frost has been extracted.

After the heat has returned to the part, we know of nothing which we think will work better than Kendall's Spavin Cure, applied several times; as by so doing the great pain and soreness which is sure to follow is generally averted, and thus the bad running sores which sometimes follow are prevented. The above treatment is also well adapted to frost-bites on man.

GLANDERS.—This disease is alike fruitful of evil to man and beast, and is generally considered incurable.

A horse may have latent glanders for years, and work well, the disease being during this time as contagious as in its developed state.

Cause.—The cause is somewhat varied in different cases, and may be attributed to filth, starvation, or to debilitating diseases, as lung fever, catarrh or any disease capable of generating pus, which being absorbed into the circulation forms a ferment within the blood.

Symptoms.—The membrane lining the nostrils assumes a leaden or purple color, accompanied by a thin, acrid, transparent and odorless discharge. This is the first stage, during which the general health does not suffer and the horse may do his ordinary work.

The discharge grows thicker, and sinks when placed in water. The membrane lining the nostrils will be found to have sores, ragged and depressed at the top, with varicose veins leading to them from all sides.

The appetite fails, and the horse assumes an emaciated and dull appearance. He will be hide-bound, and his legs swell during the day and the swelling go down at night.

The ulceration of the nose is very bad, and the sores spread into his throat; the body also is sometimes afflicted with sores. The horse ultimately dies in a wasted condition.

Treatment.—Most horsemen recommend that the horse be shot as soon as it is decided that he is afflicted with glanders, as they consider the disease incurable, but if the following treatment is adopted early it may prove successful:

Give from one-half to one ounce doses of sulphite of soda at night, in cut feed, for several weeks, and five grains Spanish flies (powdered) with it. Give, at the same time, every morning and noon, a powder consisting of three drachms powdered gentian, and two drachms powdered sulphate of copper. Give the medicines for a long time, not only to cure the disease but to improve the general health. Give a good liberal feed, and change the feed often.

GREASE HEELS.—This disease of the heels and legs of horses is characterized by a white, offensive, greasy discharge from the heels of the horse. The skin becomes hot, tender and swollen, and sometimes sloughs away, leaving an ugly sore.

Cause.—Sudden changes of the temperature of the earth, whether it be from heat to cold or from wet to dry. This disease generally follows wet streets, stables or lands.

Treatment.—Keep the legs dry and cleansed well with castile soap and soft water; then apply, once a day, verdigris, one-half ounce; rum or proof spirits, one pint; mix, and shake well before applying. Or apply Kendall's Spavin Cure after washing well. Some use water, one pint; sulphuric acid, two drachms; corrosive sublimate, one drachm. Mix, and shake before using. Some cases will be cured by keeping clean and applying glycerine, four ounces; carbolic acid, one drachm; mixed, and applied twice a day. While some cases are cured quite readily, others will not heal for a long time.

For obstinate cases use the following: Take one pound concentrated lye and dissolve it in two quarts water, and bottle for use; when needed, pour a wine-glassful of the solution of lye into six quarts of cold water, and wash and bathe the heels for half an hour, night and morning. Dry the heels often after the bathing, as they will become very moist. (See Scratches.)

HEAVES.—This disease is due to rupture and enlargement of the air cells of the lungs, which lessens the value and usefulness of the horse.

There is every degree of intensity to be seen in this disease, from the case that is so slight that only the expert can detect it, to the one where the patient finds it *very* difficult to breathe, even when not being exercised.

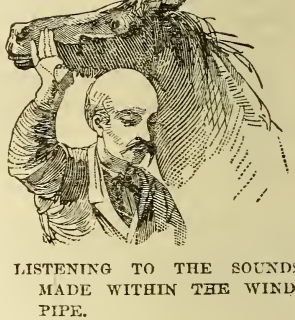
Cause.—In cases of heaves, horses are always greedy eaters; and it is

generally found that they have been fed an enormous amount of hay or coarse food, which they are quite sure to eat if they can possibly find room for it.

Heaves are never found in racing stables, where the horses are properly fed; consequently, it is but reasonable to attribute the cause to overfeeding with hay and coarse feed.

Treatment.—Restrict the quantity of hay and increase the amount of grain feed, which will give the lungs increase of room to act.

I shall give here various receipts which experience has proved to be good.



LISTENING TO THE SOUNDS MADE WITHIN THE WIND-PIPE.

FAVORITE RECEIPTS FOR HEAVES.

1st. Asafœtida pulv. one oz.; Camphor gum pulv. one-half oz. Mix and divide into four powders; feed one every other night for a week.

2d. Resin, two ozs.; tartar emetic, two ozs.; Spanish brown, two ozs.; cayenne, two ozs. Mix, and give two teaspoonfuls, twice a day, in the feed.

3d. A horseman with whom I am acquainted says he has cured several cases of heaves with oil tar. He gives the ordinary case a teaspoonful every night or every other night, by pouring it on to the tongue and then giving some grain which carries it into the stomach.

He says he has given very bad cases two or three tablespoonfuls at a dose with grand results.

He reports it to be the best remedy in use, and also good for any cough, or to put a horse in good condition; in fact, it is his "cure all."

4th. As far as our experience goes (which is strongly corroborated by the testimony of others), we have found Prof. Flint's Condition Powders a very excellent remedy for this difficulty, when fed quite freely for a few days.

HIDE-BOUND.—A term used to denote the adherence of the skin to the ribs when the horse is diseased. It usually arises from a deficiency in the quality or quantity of food, and is commonly an attendant on lingering diseases.

Treatment.—Give mixed feed—cut hay, bran and corn meal, wet with just enough water to cause the whole to keep together.

The following powders should be given in the feed, every night for two weeks:

Powdered gentian root, three drachms; powdered sulphate of iron, two drachms. Mix, and give for one dose.

HINTS ON FOOD.—1st. The foundation of many diseases is laid in

feeding all horses in the same proportions, without any regard to age, constitution, or the work which the horse is required to do. The impropriety of such a course is readily seen.

2d. Bad hay has not proper nourishment in it; therefore it would be poor policy to buy it simply because it is cheap, as it is often very dear in the end.

3d. Old horses will do better on chaff than on hay, as they can chew and digest it better.

4th. There is not sufficient nutriment in grass or hay alone to support a horse well under hard work.

5th. Corn which has been damaged is very injurious, as it will produce inflammation of the bowels and skin diseases.

6th. Oats and corn are the best nourishment if a horse is worked hard, but if not, it should be chiefly hay, because corn and oats supply more nourishment and flesh-making material than any other kind of food; but hay not so much.

7th. For a coach horse four to six quarts of good oats and eighteen pounds of good hay are usually sufficient. If a horse should be worked hard, he should have more of each; but if worked but little, he should have less.

8th. Chopped hay sprinkled with a little water, which has had a teaspoonful of salt dissolved in it, is quite pleasing to the taste of the horse, and is also more easily digested.

9th. Spring or well water is not usually as good for a horse as water from a stream or pond, as the former is usually hard and cold.

10th. Horses require and should have at least a pailful of water, morning and evening; or, what is better, give a half pailful at four different times in a day.

11th. A horse should not be driven nor worked hard directly after he has had a full draught of water, nor soon after eating heartily, as exertion prevents digestion.

12th. Do not allow a horse to become accustomed to drinking warm water, for if compelled to drink cold at any time it will be liable to cause colic.

13th. Do not work or drive a horse if he refuses his food, after drinking, until you have given him rest.

14th. Do not feed nor water a horse directly after his coming in very warm, but let him walk about until cool; groom him quite dry first with a wisp of straw and then with a comb and brush, and rub the legs well with the hand. When he is cool give him his grain.

HIP-JOINT LAMENESS. — This disease is generally seen in young horses and may be caused by rheumatism or by some accident, although it is due oftentimes to a hereditary taint.

Symptoms.—The leg appears shorter, and, when the horse is standing, is placed slightly under the body and not doubled up, or standing upon the toe, as is seen in diseases of hock-joint. In nearly all cases of so-called hip and whirl-bone disease, the true seat of disease will be found to be in the hock-joint. (See Spavin.)

In hip-joint lameness there is a dragging or swaying motion of the limb outward. An extra degree of heat will be found over this joint.

Treatment.—Give the horse absolute rest for a few weeks, and begin, when first allowed to rest, to apply cold water cloths over the hip-joint, which continue one or two days or more, until the heat and tenderness have been removed.

Then apply Kendall's Spavin Cure two or three times a day for two or three weeks, or longer if necessary, and allow a week's rest after stopping its use.

INFLAMMATION OF STOMACH *is caused* generally by some poison given to improve the coat of the animal. Some persons are in a habit of giving powders composed of poisonous drugs to improve the general appearance of the horse, and which, if given in proper quantities and sufficiently diluted, so as not to come in contact with the coating of the stomach while in its full strength, might perhaps do good in many cases, but when given by an ignorant person, it is sometimes given not only full strength, but in large doses, on the principle that, if a little will do good, a larger amount will do more good.

Symptoms.—The horse is frantic on account of the excessive pain, but the symptoms are not decided in all cases.

The following symptoms occur, but not all in each case; nor do they occur simultaneously: Great thirst; loathing of food; redness of the membranes; frequent eructations which smell bad; discharge of thick saliva; rolling, pawing, colic; striking at the belly; panting; tucked-up flanks; quick and small pulse; passing mucus in large quantities; straining; looking at the abdomen; loss of strength; convulsions; madness, and death.

Treatment.—Give at once 2 ozs. tincture of opium, 1½ ozs. sulphuric ether, and 2 ozs. magnesia, in one quart of *cold* gruel or milk, and repeat if necessary.

SUFFERING FROM ACUTE INFLAMMATION OF THE STOMACH.

If corrosive sublimate is known to be the poison, give fifteen or twenty raw eggs with the above drench.

INFLUENZA.—An epidemic disease occurring in the spring of the year.

Symptoms.—A chill, succeeded by increased heat of the body, and fever, cough, discharge of mucus from the nose, loss of appetite, great prostration, followed in a day or two with swelling of the legs, and, in some bad cases, of the belly, breast, etc. These symptoms vary some in different cases.

Treatment.—Cover the horse with a good blanket, and place him in a good comfortable stable, with proper ventilation but not too cold. Give twenty drops of tincture of aconite root in a little cold water, every four hours, until four or five doses have been given, and allow the horse plenty of good cold water to drink.

A FREQUENT SIGHT WHEN IT WAS THE CUSTOM TO BLEED AND TREAT TOO ACTIVELY IN THIS DISEASE.

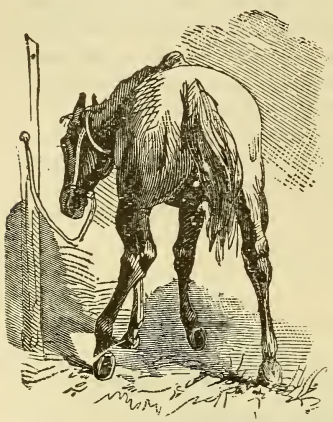
Then give the following: Powdered gentian, 4 ounces; powdered fenugreek, 4 ounces; and powdered licorice root, 2 ounces. Mix, and divide into twenty-five powders, and give two or three each day. Allow the horse to have rest until he has fully recovered.

INTERFERING.—This is usually the result of weakness of the horse, although the blacksmith is frequently blamed for it, and perhaps justly, sometimes, on account of being somewhat careless, when the interfering might have been avoided with a little care. Yet the cause is generally weakness.

Treatment.—Give the strengthening powder recommended for the treatment of bots, and feed well.

KIDNEYS, DISEASE OF.—The straddling gait, as represented in the

engraving below, is not peculiar to any one disorder of the kidneys more than to another, but when it is seen it is always the result of some disorder of the kidneys.



SYMPTOMS OF DISEASES OF THE URINARY ORGANS.

GRAVEL.—Calculi, stony or gritty matter formed in the kidneys, which passes off in the urine. It causes some irregularity in making water.

Treatment.—Give thirty-five drops of muriatic acid, in a pailful of water to drink, and repeat twice a week.

Bloody urine should be treated by placing warm water cloths over the back, above the kidneys, and giving flaxseed tea to drink, which will soothe the parts. When old horses are troubled with kidney diseases they can be helped a great deal by giving soft feed, such as boiled or steamed feed, or newly cut grass, with flaxseed tea and plenty of good cold water to drink at all times.

INFLAMMATION OF THE BLADDER.—Symptoms almost the same as those of inflammation of the kidneys. The tenderness is found when the horse is pressed upon under the flanks.

Treatment about the same as for inflammation of the kidneys, which see. Give a quart of raw linseed oil or other physic, as for inflammation of the kidneys.

INFLAMMATION OF THE KIDNEYS is caused by poor provender, hard work, slipping, taking a sudden cold after a hard day's work or drive, or after being under the saddle for a long time; and also, by an indiscriminate use of nitre or other diuretics.

Symptoms. — Quickened and short breathing, suggestive of pain; more or less fever, with quick, hard pulse; unwillingness to move the hind legs which the animal straddles apart when he walks, as shown in the engraving above; looking anxiously around to his flanks; urine scanty and high colored, and sometimes

TEST FOR INFLAMMATION OF THE KIDNEYS.

bloody. The horse seldom lies down and almost refuses to move about, and crouches beneath pressure made over the kidneys, as shown in the engraving. This disease is sometimes confounded with colic, which see.

Treatment.—Do not give any diuretics, as they will do more harm than good. Use hot fomentations over the kidneys, and change the cloths often. In the first stage give twenty to forty-five grains of powdered opium, and fifteen grains of calomel, sprinkled on the tongue, and repeat every hour or two, for a few times, or while the acute stage continues. No food will be necessary during the acute stage of the disease, but it would be well to set before the horse a pailful of good linseed tea and allow him to drink all he will. If the pulse is quick and hard, as is usually the case, give twenty drops of tincture of aconite root, either between doses of opium and calomel or after it has been given, and repeat until the pulse becomes slower and softer. Give the horse a month's rest, and use carefully for some time.

LAMENESS.—It occurs as a symptom in spavin, ring-bone, bruises, sprains, fractures, and many wounds and injuries, which we treat of in their proper places. We do not know of any remedy which equals Kendall's Spavin Cure, for lameness of every kind, and it is equally good for lameness on man.

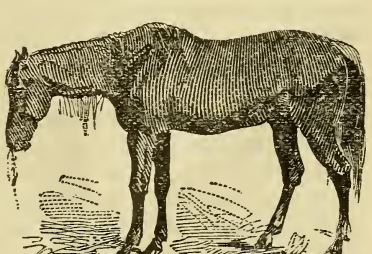
LAMPERS, (written also, Lampass).—A swelling of some of the lower bars of a horse's mouth; so named because formerly removed by burning with a lamp or hot iron.

Treatment.—Pinch or cut the bars until they bleed, and then rub in a little table salt, which is much better than burning the mouth with a red-hot iron.

LUNGS, DISEASES OF.—The lungs are subject to many diseases.

Pneumonia.—(Lung Fever). In this disease the substance of the lungs is inflamed, instead of the air passages, as in bronchitis.

Symptoms.—The horse will oftentimes have a discharge from the nostrils, following a sudden exposure to cold, after being kept in a *warm stable*, and then the disease is ushered in by a chill, followed by fever, which is increased for a short time; cold legs and ears; quick and wiry pulse; quick and difficult breathing; pain in the chest, which is aggravated by coughing; and a quivering of the muscles of the side and breast.

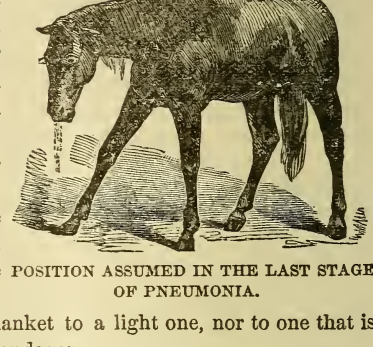


COMMENCEMENT OF INFLAMMATION OF THE LUNGS.

The horse will not eat, and continually stands with his head down and ears lopped, and will not lie down nor move about; the nostrils are expanded.

If the ear is applied to the side of the chest or neck, a peculiar creaking noise is heard.

Cause.—Perhaps one of the most frequent causes is a hard or fast drive against a *cold* wind, after being taken from a warm, tight and poorly ventilated stable, where several horses have remained through the night; or some different alteration and sudden change of heat, cold or moisture in an animal not accustomed to work, or in one not in proper condition to work.



POSITION ASSUMED IN THE LAST STAGE OF PNEUMONIA.

Treatment.—The stable should be a comfortable place; not too cold and yet *well* ventilated. Give the horse clothing according to the weather, but do not change from a heavy blanket to a light one, nor to one that is damp. Keep the legs warm with bandages.

Give twenty-five drops of the tincture of aconite root, in a cupful of cold water, and repeat the dose every four hours, until five or six doses have been given, which will probably cause the horse to perspire freely. Care should be taken not to allow the horse to stand in a draft of air. Do not bleed, as some recommend. It was my misfortune, in my early life, to place a horse, sick with this disease, under the care of a *so-called* veterinary surgeon, who bled the horse freely, and directed to give him large doses of Dover's powder every four hours. I was not only the five dollars out which he charged me, but came very near being out a good horse. The horse was about ruined for life, and probably would not have lived but for my own timely interference, by supporting the horse with vigorous tonic and stimulating treatment. When the disease turned (as commonly expressed) the horse needed *every drop* of the blood which had been so cruelly taken from him.

After the horse has taken sufficient tincture of aconite root, as soon as he seems to have an appetite for food, a pint of crushed oats, thoroughly scalded, may be given during the day. Great care should be taken not to allow the horse a large amount of food at one time, which would overload the stomach, and might cause a return of the disease. Little and often must be the rule at first, and then the quantity may be increased, while the frequency is diminished. Do not give any hay for several days.

Raw eggs and other nourishing and stimulating articles may be given, if the horse shows signs of great weakness. The nourishment should be in a concentrated form, and hay and grass should be kept from the horse for a

few days, and then given in quantities small at first and gradually increased. The horse will not lie down until improvement has taken place.

PLEURISY.—This is an inflammation of the membrane covering the lungs and lining the cavity of the chest.

Symptoms.—A chill, fever, an occasional painful and short cough, and careful breathing, and a disinclination to turn short. A peculiar line will usually be seen running from the haunch, round the belly to the breast-bone. The breath is not so quick and short as in inflammation of the lungs.

Causes.—Broken ribs or wounds, and other causes similar to those producing lung fever.

Treatment.—The treatment should be about the same as for lung fever. Feed well while the horse is convalescing.

Abscess of the Lungs.—This is sometimes the termination of lung fever, and is very much to be dreaded.

Treatment.—Should be the same as for glanders, and the patient should be supported, if necessary, by giving raw eggs, tonics, stimulants, etc.

NASAL GLEET.—This is a chronic discharge from the nostrils, of a whitish, muco-purulent matter. It is generally caused by neglecting to treat catarrh and colds properly. The horse may look well and feel well, and the general health be quite good.

Treatment.—Give a course of tonic powders, and feed well. Powders like those recommended in the treatment of bots will do well.

NAVICULAR DISEASE. (See Foot Diseases.)

POLL EVIL.—This consists of a formation of pus like an abscess, and is familiar to all horsemen.

Cause.—Disease of the bone, or injury to the part.

Treatment.—Open the swelling as soon as it has become a little soft, before the pus has had time to burrow down among the bones, and thus prevent the spread of the disease.

Make a large opening so as to allow all the pus to escape, and clean out well, if necessary, with a swab, so as to remove all the pus, and do this twice a day as long as any pus remains. Syringe out with a solution of carbolic acid, fifty drops to each pint of soft water.

PROUD FLESH.—A name commonly used to describe an excessive growth of flesh on an ulcer, or excessive granulation. To cure this, sprinkle a little powdered blue vitriol or burnt alum on the surface.

QUITTOR.—A chronic abscess in the hoof, caused by a bruise or prick of the sole, or from the calk of one foot being pressed into the coronet of the other, confined pus from suppuration, corn, etc.

Symptoms.—The horse is very lame on account of the inflammation before suppuration takes place, but is relieved somewhat as soon as the quittor has burst.

Treatment.—This should begin as soon as any lameness is discovered from any of the above named causes, and the inflammation stopped, if possible, before suppuration takes place. Kendall's Spavin Cure, applied freely to any of the injuries which result in quittor, will prevent this termination, if applied in season; but if it is not cut short, then keep clean and apply a solution of carbolic acid, one ounce, to water, one quart.

Poultices of flaxseed meal are sometimes very useful.

RHEUMATISM.—In acute rheumatism there is great excitement and fever, with severe pain in the legs and joints. This pain is so severe that the horse hardly dares to move from the place he occupies, on account of the extreme pain which it causes. He has no unnatural heat in the feet, as in founder.

Cause.—Exposure to a draft of cold air when a horse has been heated, thus suddenly checking perspiration.

Treatment.—Place the horse in a good, comfortable stable, as soon as possible after it is discovered that he is afflicted with acute rheumatism, and commence the following treatment: Give the horse about twenty-five drops of the tincture of aconite root, every four hours, until five or six doses have been given.

Cover with a blanket, and give the horse general good care. Give the following powders as soon as the tincture of aconite has been given: Bicarbonate of soda, 4 ounces; sulphur, 8 ounces; saltpetre, powdered, 4 ounces. Mix, and divide into eight powders, and give two or three times a day, according to the severity of the case, and repeat if necessary.

Apply Kendall's Spavin Cure to the joints, or to any part which swells or is tender.

CHRONIC RHEUMATISM.—This is a frequent cause of lameness, and it is oftentimes quite difficult to decide fully as to the cause of the lameness.

Treatment.—For this form of the disease we recommend the same powders as given above for acute rheumatism, only to be continued a longer time, and to apply the Kendall's Spavin Cure to the afflicted parts. Only a small quantity need be used at a time, but it should be rubbed well down to the skin, and continued for several weeks if it should be necessary to continue so long. The Kendall's Spavin Cure, used twice a day, is also the *best external remedy* we know of for this disease in man; but it should be used for some time, as the disease, when of long standing, can not be cured in a few days. It may be applied, a small quantity at a time, and continued for from one to three or four weeks, if necessary.

RING-BONE.—(For position see plate of skeleton.) Ring-bone is the result, usually, of weakness, hereditary predisposition, or of a peculiar formation of the pastern joints which makes them poorly adapted to hard work; and therefore a provisional callus (or bony substance) is thrown out as a provision of nature to strengthen parts which are too weak.

Only slight injuries to such a joint as we have described above will in many cases result in the growth of a ring-bone.

Treatment. The treatment of ring-bone has been very unsatisfactory in the past and is still attended with much difficulty in some cases, especially those of long standing and on old horses; yet we feel certain that the following treatment will prove successful in a large share of cases, if persevered in. We find many persons who expect a cure too soon, and condemn the best treatment possible before they have used it long enough for it to have any effect whatever, and therefore we say if you would treat ring-bone successfully never stop in a few days, as so serious an affection can not be removed in so short a time. If it is of recent origin, and the horse is young, we feel confident that nearly all such cases can be cured with a proper use of Kendall's Spavin Cure; but if the case is of long standing, and on an old horse, the chances of a cure are lessened, and therefore we find it necessary in many cases to use, with the Spavin Cure, Kendall's Blister, as per direction on the bottle.

RING-BONE.

1. The joint between the pastern bones.
2. The joint between the lower pastern (or small pastern) and the coffin bone.

In using the Kendall's Spavin Cure, clip the hair over the bunch and apply from every other day to two or three times a day as seems to work best; rub well with the hand often. In most cases it would be well to apply soft soap, once in four to ten days, to soak up the scab, then clean off and apply Kendall's Spavin Cure again. In some very bad cases, where the Spavin Cure does not seem to remove the bunch and lameness, after using one bottle, it would be best to use our Blister, followed by the application of Kendall's Spavin Cure every day for two or three weeks, when the Blister can be repeated, if necessary.

In using Kendall's Blister clip the hair over the bunch and rub in the Blister well for ten minutes or more. Put on some sweet oil or other grease in two days. When the inflammation subsides wash with castile soap and warm water, and when it is dry apply Kendall's Spavin Cure as directed on bottle. If the case does not yield in two or three weeks, use the Blister again as before, followed by the Spavin Cure in two or three days.

Tie up the horse's head for a few hours after the Blister has been applied. We would say that this Blister works admirably alone in many cases (not

only for ring-bone, but also for spavins, curbs, etc.) and is particularly of great value in connection with the Kendall's Spavin Cure for old and bad cases which do not seem to yield to the use of the Spavin Cure alone.

(Where the Kendall's Blister cannot be had of your druggist, send 50 c. to Dr. B. J. Kendall Co., Enosburgh Falls, Vt., and they will send a box by return mail.)

Give the horse a few weeks' rest after the cure seems to be complete.

SADDLE GALLS are sores produced by the saddle or by any other part of the harness.

Treatment.—The cause should be removed by attending to the saddle or other part of the harness, and adjusting it so as to remove the pressure. Kendall's Spavin Cure is used with excellent success for all such sores by applying a small quantity twice a day. If the Kendall's Spavin Cure can not be obtained, get at a drug store laudanum two ounces, tannin two drachms, and mix and apply twice a day.

SCRATCHES.—An inflammation of the skin of the heel of a horse, the first appearance of which is usually a dry and scurvy state of the skin of the heel, with redness, heat and itching. (See Grease Heel.)

Treatment.—Wash the affected parts clean with castile soap and warm soft water, and dry; then use glycerine eight ounces, carbolic acid one drachm, mixed and applied twice a day; washing as above, when necessary, to keep the parts clean. (Also see Treatment for Grease Heel.)

It has been reported to us that Kendall's Spavin Cure, applied twice a day, after washing as above, has worked nicely. We would also strongly recommend the use of Prof. Flint's Horse and Cattle Renovating Powders, which are being used with great success for this ailment.

SHOULDER LAMENESS.—This is common among young horses when plowing in the furrow, or it may result from a slip sidewise by a horse of any age. Horses in cities are especially liable to this difficulty. The muscles of the shoulder, and sometimes the shoulder joints, are involved.

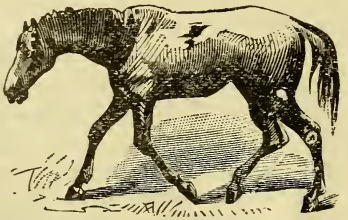
Symptoms.—Heat, tenderness, and sometimes swelling of the parts. It is sometimes difficult to ascertain the exact location of the lameness, but by making a thorough examination of all parts and finding no lameness, heat or tenderness in other parts, it will be quite certain that the difficulty is located in the shoulder, especially if it is found hot and tender. The horse steps shorter with the sound leg than with the lame one, which he drags along. In nearly all diseases of the foot the horse stretches the leg out straight forward, but in shoulder lameness it will be carried out more from the body.

Treatment.—The horse should have entire rest, and the shoulder should have cold water cloths applied to it for two or three days, and changed frequently. As soon as the heat has been reduced, the cold water cloths may be left off and Kendall's Spavin Cure applied twice a day for a few days, or until the lameness subsides. In some cases Kendall's Blister would work admirably.

In applying the Blister, place it where the friction from the collar will not affect it. Allow the horse a rest of two or three weeks after the cure seems to be complete and the treatment is stopped.

SHOULDER-JOINT LAMENESS.—This difficulty, being located in the joint, is much more serious than the shoulder lameness just described, and it is more difficult to effect a perfect cure of it.

Symptoms.—The animal drags the leg, with the toe on the ground, and throws the leg out in attempting to move it. It is with great difficulty that he can raise his foot.



DRAGGING THE FORWARD FOOT AN INDICATION OF SHOULDER LAMENESS.

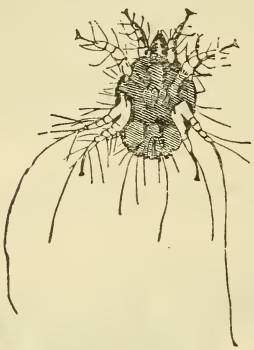
Treatment.—If the treatment is not put off too long a cure may reasonably be expected, if the following directions are followed: This disease being similar to a spavin in the hock-joint, should have similar treatment. If the part is very hot, reduce the temperature by cold cloths as recommended for shoulder lameness, or perhaps hot fomentations may work well instead of the cold; then apply Kendall's Spavin Cure two or three times a day, as directed for spavin. If, after one bottle of Spavin Cure has been used, the case does not improve as fast as is thought it should, use Kendall's Blister, as recommended for ring-bone, and follow it with the Spavin Cure as before. (See also Treatment of Spavin.)

Give the horse a good bedding with dry sawdust or some soft bed for his front feet to stand on, as he will be liable to stamp on the floor with his foot, and in this way you will avoid the concussion to the shoulder.

SIDE BONES.—This is a species of ring-bone. The side cartilages of the joint become ossified, but do not extend around as in ring-bone. The treatment should be the same as for ring-bone.

SKIN DISEASES.—There are many different varieties of skin diseases, and yet many seem to be produced by the same causes but present different appearances in different horses

BALDNESS.- This is produced by faulty digestion sometimes, when small pimples appear in abundance and contain a fluid. In this form turn the horse to grass or give soft feed.



THE MANGE INSECT.

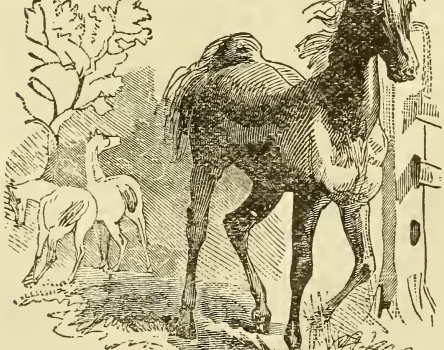
When caused by blisters, burns, etc., if the true skin has not been destroyed, apply, three or four times a week, the following mixture: Glycerine, four ounces; tincture of cantharides, two ounces; mixed.

Some cases do well by using the following: Iodine, one drachm; lard, two ounces; mix and rub down to the skin twice a week.

MANGE, ITCH, ETC.—These are contagious diseases, caused by an insect burrowing in the skin.

Symptoms.—The horse rubs himself against anything he can get at. Small pimples are seen about the head and neck and under the mane. The hair falls off and leaves the skin exposed, with red colored points and fissures. The skin becomes dry and bald, and there is great itching.

Treatment.—Give the horse a good scrubbing, with a coarse brush, and then wash him well with castile soap and water, and dry carefully. As soon as the horse is thoroughly dried, apply an ointment made as follows: Sulphur, four ounces; lard, ten ounces; carbolic acid, half ounce; mixed.



SYMPTOMS OF MANGE.

This disease being contagious, persons should be careful to have everything used about the horse thoroughly cleansed and subjected to great heat, by steaming or boiling, to destroy the insect which is the cause of the disease. It would be well to apply some of the ointment given above to parts of the stall, rubbing-posts, etc.

SORES.—Of the great variety of sores many are what might be termed healthy sores, while others become unhealthy. The former are best treated with tincture of opium

two ounces, tannin one drachm, mixed and applied in small quantities two or three times a day. The unhealthy sore is best treated by cleansing the sore and applying Kendall's Spavin Cure twice a day. In some cases, where there is proud flesh, cauterize the part with nitrate of silver or blue vitriol, and, after a few hours, apply Kendall's Spavin Cure.

Kendall's Spavin Cure has given entire satisfaction whenever used, to our knowledge, for healthy or unhealthy sores on *man* or *beast*. It should be used by applying a small quantity directly into the sore after it has been cleansed.

SPAVIN.—(*For location see cut of skeleton.*) In nearly all cases of lameness in the hind leg the seat of the disease will be found to be in the hock-joint, although many persons (not having had experience) locate the difficulty in the hip, simply because they can not detect any swelling of the hock-joint; but in many of the worst cases there is not seen any swelling or enlargement for a long time, and perhaps never.

BONE SPAVIN is a growth of irregular bony matter from the bones of the joint, and situated on the inside and in front of the joint.

BONE SPAVIN.

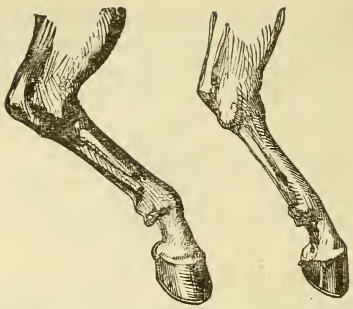
Cause.—The cause of spavins are quite numerous, but usually they are sprains, blows, hard work, and, in fact, any cause exciting inflammation of this part of the joint. Hereditary predisposition in horses is a frequent cause.

Symptoms.—The symptoms vary in different cases. In some horses the lameness comes on very gradually, while in others it comes on more rapidly. It is usually five to eight weeks before any enlargement appears. There is marked lameness when the horse starts out, but he usually gets over it after driving a short distance, and, if allowed to stand for awhile, will start lame again.

There is sometimes a reflected action, causing a little difference in the appearance over the hip joint, and if no enlargement has made its appearance, a person not having had experience is very liable to be deceived in regard to the true location of the difficulty. The horse will stand on either leg in resting in the stable, but when he is resting the lame leg he stands on the toe.

If the joint becomes consolidated the horse will be stiff in the leg, but may not have much pain.

Treatment.—That we may not be misunderstood in regard to what we mean by *a cure*, we would say that we mean to stop the lameness, and in most cases to remove the bunch on such cases as are not past any reasonable hopes of a cure.



Natural action. Leg brought forward.

Effect of a bad spavin. Leg not brought forward.

But *we do not mean* to be understood that in a case of anchylosis (stiff-joint) we can again restore the joint to its original condition; for this is an impossibility, owing to the union of the two bones making them as one. Neither do we mean that, in any ordinary case of bone spavin with well formed ossification (that is, the bunch become solid bone), that, in such a case, the enlargement will be removed.

In any bony growths, like spavin or ring-bone, it will be exceedingly difficult to determine just when there is a sufficient deposit of phosphate of lime so that it is completely ossified, for the reason that in some cases the lime is deposited faster than in others, and therefore one case may be completely ossified in a few months, while in another it will be as many years.

The cases which are not completely ossified are those that we claim to remove. One of this class which we have seen removed was a large bone spavin of four or five years standing, and we think that a large per cent. of cases are not fully ossified for several months or years.

We are well aware that many good horsemen say that it is impossible to cure spavins, and, in fact, this has been the experience of horsemen until the discovery of Kendall's Spavin Cure. It is now known that the treatment which we recommend here will cure nearly every case of bone spavin which is not past any reasonable hopes of a cure, if the directions are followed, and the horse is properly used.

In using Kendall's Spavin Cure apply it two or three times a day, until the lameness has all subsided, and then gradually decrease the quantity used, or only apply it once or twice a day.

If it is necessary to use the horse much, apply only at night. When the enlargement has been removed, the medicine may be left off, and the horse should have several weeks' rest. Although some horses can be put at light work as soon as the cure is complete, yet we would recommend that all be allowed to rest for several weeks.

Some have an erroneous idea, thinking that, in using a bottle of Kendall's Spavin Cure, it makes no difference about the time taken to apply it, and therefore have used the whole of a bottle in two or three days, and, as they see no perceptible change, they discard the medicine before it has had time to take any effect. To such we would say, only a little

will be absorbed and the remainder goes to waste; therefore apply it only over just the size of the spavin, and enough to wet it well, for two or three times, at each application, and rub it well down to the skin each time, with a small swab, or the finger, until it has been absorbed, and repeat this two or three times a day and *continue using the medicine* until the cure is complete, which takes usually from two to eight weeks, or longer, according to the age and condition of the spavin. Much also depends upon how the horse is used.

In some very bad and old cases, if the lameness does not subside after using one bottle of Kendall's Spavin Cure, it would be well to apply Kendall's Blister as directed on box, and follow up with Kendall's Spavin Cure for two or three weeks, and repeat the Blister several times if necessary. The Blister is not, like some we have seen, so powerful as to destroy the skin and other tissues; yet it is very well adapted, when used with Kendall's Spavin Cure, to the treatment of old and bad cases which do not seem to yield with the Spavin Cure alone. (We will send our Blister by mail to any address on receipt of price, 50 c.)

After a few days' use of Kendall's Spavin Cure, a thick, firm scab is usually formed, which if pulled off will take the hair with it; yet it does not affect the growth of the hair. The better way is to apply soft soap to soften up the scab, and in two or three hours wash well, and when dry apply again as before. (See Testimonials and other information in another part of this book.)

We give no other treatment, as our experience with various other remedies, including blisters, liniments, etc., has been *very unsatisfactory*, as has been the experience of horsemen all over the world; but Kendall's Spavin Cure, when properly used, has given *entire satisfaction.* (*See* "*Our Experience with Bone Spavin*," on page 63 *of this book.*)

Occult Spavin.—This is similar to bone spavin in its nature, the difference being that the location is within the joint, so that no enlargement is seen, which makes it more difficult to come to a definite conclusion as to its location, and consequently the horse is oftentimes blistered and tormented in nearly all parts of the leg but in the right place.

The causes and effects are the same as in bone spavin, and it should be treated in the same way.

These cases are often mistaken for hip disease, because no enlargement can be seen.

BLOOD SPAVIN.

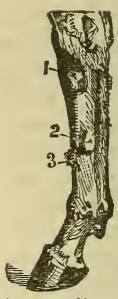
Bog Spavin.—The location of this kind of spavin is more in front of the hock-joint than that of bone spavin, and it is a soft and yet firm swelling. It does not generally cause lameness.

Treatment.—Use Kendall's Spavin Cure, as directed for

bone spavin, and, if the enlargement is not removed in two to four weeks, apply Kendall's Blister, as directed for bone spavin, and continue the Spavin Cure.

BLOOD SPAVIN.—This is similar to bog spavin but more extended, and generally involves the front, inside and outside of the joint, giving it a rounded appearance. The swelling is soft and fluctuating. Young horses and colts, especially if driven or worked hard, are more liable to have this form of spavin than older horses.

Treatment.—For this form of spavin (especially bad cases) we would recommend our Blister, to be applied every two weeks for a few times, and the Spavin Cure, to be used between times of blistering, as recommended on box. Rub well, with the hand, often.



1. A splint near the knee.
2. A low splint.
3. A small bony growth on the front of the leg, also called splint.

SPLINT.—This is a small, bony enlargement, and generally situated on the inside of the fore-leg about three or four inches below the knee joint, and occurs frequently in young horses when they are worked too hard.

Treatment should be the same as for bone spavin, which see.

SPRAIN.—By this is meant the sudden shifting of a joint farther than is natural, but not so as to produce dislocation. Every joint is liable to sprain by the horse's falling, slipping, or being overworked. These cases cause a great deal of trouble, oftentimes producing lameness, pain, swelling, tenderness, and an unusual amount of heat in the part.

Treatment.—Entire rest should be given the horse, and if the part is found hot, as is usually the case, apply cold water cloths, changing frequently, for from one to three days until the heat has subsided, when apply Kendall's Spavin Cure, twice or three times a day, rubbing well with the hand.

If the fever is considerable, it might be well to give fifteen drops of tincture of aconite root, three times a day, for one or two days, while the cold water cloths are being applied. Allow the horse a rest of a few weeks, especially in bad cases, as it is very difficult to cure some of these cases, unless the horse is allowed to rest.

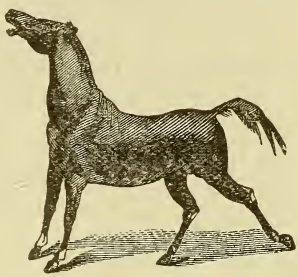
STAGGERS.—A disease of horses, resulting from some lesion of the brain, which causes a loss of control of voluntary motion. As it generally occurs in fat horses which are well fed, those subject to these attacks should not be over-fed. The cause is an undue amount of blood flowing to the brain.

Treatment.—The aim of the treatment should be to remove the cause. In ordinary cases give half a pound of epsom salts, and repeat if necessary to have it physic, and be careful about over-feeding.

In mad staggers, it would be well to bleed from the neck in addition to giving the epsom salts.

STIFLE-JOINT LAMENESS.—This is not one of very common occurrence, but occurs occasionally in colts kept on uneven ground, which induces dislocation of the stifle, or patella, which slips off from the rounded heads of the bones when the horse steps.

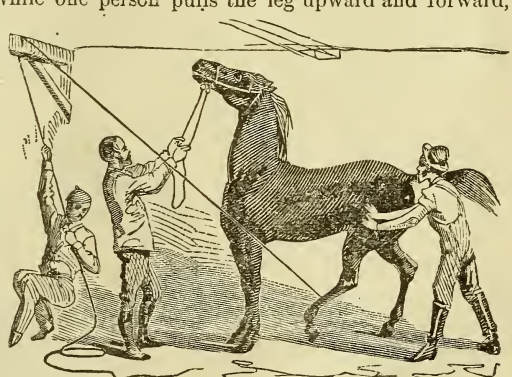
It sometimes occurs in horses which are kept on bad food, or in those which are constitutionally weak.



PATELLA, OR WHIRLBONE DISPLACED.

Symptoms.—The horse stops suddenly and extends one of the hind legs backwards. The pastern is flexed and the head raised, as shown in the engraving, and there is a swelling upon the outer side of the pastern, with great pain. It sometimes occurs in colts on the slightest cause.

Treatment.—Any flurry may restore the bone to its proper place in colts, but for cases which do not become replaced, in colts or horses, get into a shed and fix a rope to the pastern as shown in the engraving, and throw the other end over a beam. Then while one person pulls the leg upward and forward, another should stand by the quarters and push the dislocated patella inward with both hands. Feed well, and give the horse five or six weeks' rest, or place him in a level pasture, and have him shod with a piece of iron projecting from the toe, especially if the toe has been worn off.



THE MANNER OF REPLACING THE PATELLA.

Apply Kendall's Spavin Cure over the stifle, as directed for spavin, to remove the soreness and pain.

SWEENEY. (*Atrophy.*)—This is a wasting away of the muscles of the shoulder, and is said to be caused by some disease in the foot or leg.

Treatment.—Treat any disease found in the foot or leg as directed in other parts of this book. Apply to the shoulder soft soap with a little salt added, four or five times a week, and rub well.

THOROUGHPIN.—An affection accompanying blood spavin, and generally caused by excessive labor.

Symptoms.—A round tumor going through the leg and appearing on the outside and in front of the joint of the hock. Thoroughpin is the same disease as blood spavin, on a more extensive scale, causing the enlargement to extend through the joint from one side to the other.

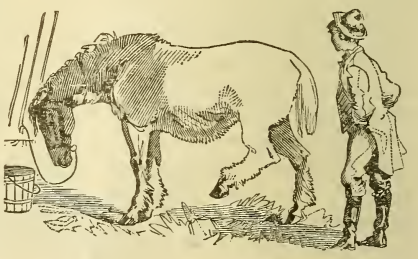
Treatment.—Same as for blood spavin, which see.

TUMORS are swellings or enlargements of any part of the body. They vary according to their situation and nature.

Treatment.—The treatment varies with different horsemen. And we would say that in some cases it might be best to have them cut out, and yet there are many other cases which can be removed by the use of Kendall's Spavin Cure, applied as directed for spavin. We now have in mind a case of a *bony tumor* which had been sawed off by a surgeon, but, from some cause, continued to grow; after it had again reached quite a large size the owner of the horse began to use Kendall's Spavin Cure, and, after he had used one or two bottles, told us that the tumor was nearly removed, and on examination we found it quite difficult to detect it.

WATER FARCY is the result of weakness in the old, and of inflammatory action in the young. By long continued labor, from twelve to eighteen hours each day, the horse, already debilitated, is by abuse made a fit subject for water farcy

It is the custom of some to feed largely on Saturday night and not to visit again until Monday morning, when they are liable to find the animal, so cruelly treated, with one swollen leg. The horse holds the leg up as seen in the engraving and will generally be lame. He is in too much pain, and is too tired, to eat, but will be very thirsty on account of the agonies which his cruel treatment has brought upon him. When water farcy occurs, let it be understood that it is because the horse has been worked too long and too hardly, and that if the animal is not better cared for, *Farcy* will be the result.



THE DRIVER'S FIRST VISIT ON MONDAY MORNING.

Treatment.—Let the work be lighter, the nourishment sufficient and of better quality and the stable kept clean and well ventilated. Lead the horse out, two or three times a day, for gentle exercise. As soon as the

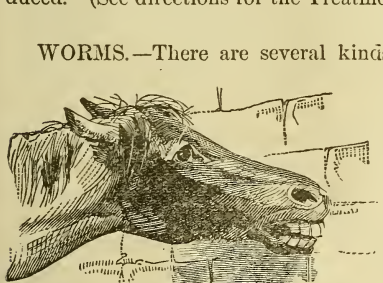
limb will bear friction let it be *well rubbed with the hands*, and this repeated often. Bathe with cold water and rub dry. If the lameness and swelling continue, take two parts of alcohol and one of Kendall's Spavin Cure, mix, and bathe the leg with the mixture, and rub well. Then take iodide of potassium, one drachm; pulv. gentian, one drachm; pulv. ginger, one drachm; sulphate of iron, one drachm; linseed meal, two ozs.; make into a ball, and give at one dose, repeating every day for several days.

Prepare the above balls as they are wanted each day, because the iodide of potassium should be kept in a vial until it is wanted for use. Always begin the treatment as soon as possible.

WIND GALLS.—Soft swellings or enlargements just above the fetlock joints, which are caused by over-exertion or by sprains. They are of a similar nature to blood spavin, and may be treated in the same way; or place exactly on the wind galls pieces of cork covered with cloth large enough to press them down, and wet with Kendall's Spavin Cure, and keep the corks pressed on the galls by the use of a rubber bandage, only removing it when the horse is used and when it is necessary to wet the compress.

Apply only a little of Kendall's Spavin Cure to the compress, and be careful not to have it so tight as to cause strangulation of the leg, but only as tight as can be without causing strangulation. Remove the compress as soon as there are any signs of soreness, and bathe, once or twice a day, with the Kendall's Spavin Cure, until all soreness has subsided. Care should be exercised in the use of the compress, or sores may be produced. (See directions for the Treatment of Bone Spavin.)

WORMS.—There are several kinds of worms which infest the horse, some of which produce a vast amount of mischief.



The horse rubs his nose violently against a wall when there is irritation from worms.

TENIA. (*Tape Worm.*)—These trouble the young mostly, and are usually caused by starving the mare when with foal, and by breeding from old animals. The dam and sire should be in perfect health if a valuable colt is desired. Gentle work is always better for the mare than to remain without work.

Symptoms.—When tape-worm is present, there is checked development, large head, long legs, ravenous appetite, unhealthy coat, thin body, fetid breath. The colt picks and bites its own hair, rubs its nose against a wall, or strains it violently upwards.

Treatment. Give spirits of turpentine. For a colt three months old give from one-fourth to one-half ounce; six months old, one-half to one ounce; one year, one to one and a half ounces; two years, one and one-half to two ounces; four years, three to four ounces. Also procure one pound of quassia chips and pour three quarts of boiling water on to them; then mix a proportional dose of the quassia infusion with the turpentine, and cause it to blend together by stirring in well with yolks of eggs. Add twenty grains of powdered camphor gum, and give the dose the first thing in the morning.

Feed well afterward, and give every morning until the coat is glossy, muriated tincture of iron, from one to ten drachms, according to age, and also Fowler's Solution, from one-fourth to three drachms.

LUMBRICI.—Long, round worms, which are sometimes seen eighteen inches long. They prey upon the weakly, whether old or young.

Treatment.—Give one drachm tartar emetic, worked into a ball with linseed meal and flour, every morning, until the desired effect is accomplished. Or give calomel, three drachms; tartar emetic, one drachm; mixed, and made into three balls, to be given at night for three nights; and give, one day after the last ball, a good purging ball.

PIN WORMS.—This variety of worms inhabits the rectum, and causes great itching posteriorly, which causes the horse to rub its hair off against the wall.

Treatment.—Most medicines are deprived of their activity because they do not reach the rectum; therefore it is best to treat with injections which will come directly in contact with the parasites. Take one ounce catechu and a quart of water, and, when dissolved, give as an injection, and repeat for seven mornings. On the eighth day give a mash; at night follow with one-half ounce aloes, and one drachm calomel. Repeat the above if necessary. Injections of tobacco smoke work well.

YELLOW WATERS.—This affection is the result of liver disease, and has derived its name from the characteristic color of the membranes of the eyes, nose and mouth, which have a peculiar yellowness that is caused by the liver being diseased, so that its natural functions are not properly performed, and a large amount of bile is thrown back into the blood, instead of being carried off in its natural way, and only eliminated partially through the kidneys. It occurs more often in horses which are highly fed and have nothing to do, than in any others.

Treatment.—Give ginger, two drachms; powdered mandrake root, one drachm; powdered aloes, four drachms; mix, and give at one dose. Feed the horse with soft feed and grass to loosen the bowels. Repeat the above dose as often as shall be necessary, which, in most cases, perhaps, would be about every other day.

DOSES FOR THE HORSE.

Name of Drug.	Action and Use.	Dose.	Antidote.
Aloes.	Laxative and Tonic.	1-2 to 1 oz.	
Alum.	Astringent.	2 to 3 drs.	
Anise Seed.	Aromatic and Stomachic.	1-2 to 2 ozs.	
Aqua Ammonia.	Stimulant and Antacid.	1 to 4 drs.	Vinegar.
Arsenic.	Alterative and Tonic. Used for Paralysis, Mange, etc.	1 to 5 grs.	Magnesia and oil.
Asafœtida.	Anti-spasmodic, Coughs, etc.	1 to 3 drs.	
Bicarbonate of Potash.	Diuretic and Antacid. Good for Rheumatism.	3 to 5 drs.	Vinegar and raw Linseed Oil.
Bismuth.	For Chronic Diarrhœa, etc.	1-2 to 1 oz.	
Black Antimony.	Promotes the Secretions.	1-4 to 1-2 dr.	Infus'n of oak bark Give also lins'd oil.
Blue Vitriol.	Astringent and Tonic.	1-2 to 1 dr.	Eggs, Milk, etc.
Calomel.	Cathartic.	10 to 40 grs.	Eggs and Milk.
Camphor.	Anti-spasmodic.	1-2 to 1 dr.	
Cantharides.	Diuretic and Stimulant.	3 to 6 grs.	
Carbolic Acid.	Externally and Disinfectant.		Eggs; soap; gruel.
Castor Oil.	Cathartic.	1-2 to 1 pt.	
Cayenne.	Stimulant and Carminative.	5 to 25 grs.	
Chlorate of Potash.	Diuretic. Given for Bloating, etc.	1-2 to 2 drs.	
Copperas.	Tonic and Astringent.	½ to 1½ drs	
Croton Oil.	Powerful Purgative.	10 to 15 d'p's	Opium.
Digitalis leaf.	Sedative and Diuretic.	10 to 20 grs.	Stimulate.
Epsom Salts.	Cathartic and Febrifuge.	2 to 8 ozs.	
Ether.	Anti-spasmodic.	1-2 to 2 ozs.	
Fowler's Solution	Used for Skin diseases. See Arsenic, a preparation of.	1 to 4 drs.	Hydrated peroxide of Iron.
Gentian Root.	Tonic.	1 to 2 drs.	
Ginger.	Tonic, Stimulant and Stomachic. Used for Flatulent Colic, Dyspepsia, etc.	2 to 5 drs.	
Glauber's Salts.	Cathartic.	6 to 12 ozs.	
Iodide of Potassium.	Diuretic and Alterative. Used for Rheumatism, Dropsy, Enlarged Glands, etc.	1-2 to 1 1-2 drs.	Give freely starch or flour, with water largely.
Linseed Oil, Raw	Cathartic and Nutritive.	1 to 2 pts.	
Magnesia.	For colts as an Antacid and Laxative.	1-4 to 1 oz.	
Mercurial Ointment.	Used for Mange, Itch, Lice, and other parasites.		Whites of Eggs with milk given freely.
Nux Vomica.	Nervous stimulant. Used for Paralysis.	15 to 25 grs.	Saleratus, followed quickly by copperas, both dissolved in water.
Opium.	Anodyne and Anti spasmodic. Given in Colic, Inflammation of Bowels, Diarrhœa, etc.	1-4 to 1 dr.	Belladonna, strong coffee, brandy and ammonia. Dash cold water on, and keep the horse moving.
Prepared Chalk.	Antacid.	1-2 to 1 oz.	
Quinine.	Tonic. Given during convalescence.	15 to 50 grs.	Linseed oil largely.
Saltpetre.	Diuretic and Febrifuge.	1 to 3 drs.	Raw.
Soda Bicarb.	Similar to Bicarb. Potash.	3 to 8 drs.	
Soda Sulphite.	Antiseptic and Alterative. Used for Blood diseases.	1-2 to 1 oz.	
Solution of Lime.	Antacid, used as an antidote to poisoning by acids.	4 to 6 ozs.	
Spirits of Chloroform.	Anodyne and Anti-spasmodic.	1 to 2 ozs.	
Strychnia.	Tonic and Stimulant. Used for Paralysis.	1-2 to 1 gr.	Tobacco.
Sulphur.	Alterative and Laxative. Used for Skin diseases and Rheumatism.	1-2 to 2 ozs.	

Name of Drug.	Action and Use.	Dose.	Antidote.
Sweet Spirits of Nitre.	Diuretic and Diaphoretic.	½ to 1½ ozs	
Tannic Acid.	Astringent.	20 to 40 grs.	
Tartar Emetic.	Sedative and Alterative.	1-8 to 1-2 dr.	Tannic Acid.
Tincture of Aconite Root.	Sedative. Used for lung fever, etc.	15 to 35d'p's	Give small doses of Nux Vomica, and stimulants largely, and keep moving.
Tincture of Cantharides.	Stimulant and Tonic.	1 to 2 ozs.	
Tincture Ergot.	Parturient.	1 to 2 ozs.	
Tincture Iodine.	Used externally.		
Tincture Iron.	Tonic and Astringent. Used for Typhoid diseases.	1-2 to 1 oz.	
Tr. Nux Vomica.	Tonic. Stimulant in Paralysis and Dyspepsia.	2 to 4 drs.	See Nux Vomica.
Tincture Opium.	Anodyne and Anti-spasmodic.	1 to 2 ozs.	See Opium.
White Vitriol.	Astringent. Used for cuts, wounds and sores, in solution.	5 to 15 grs.	Milk, eggs and flour.

For a colt one month old, give one twenty-fourth of the full dose for an adult horse as given above; three months old, one-twelfth; six months old, one-sixth; one year old, one-third; two years old, one-half; three years old, three-fourths.

IN MEASURING LIQUIDS,

A tablespoonful is equal to half an ounce by measure.

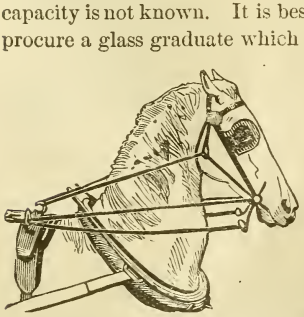
A dessert-spoonful is equal to one-fourth ounce, or two drachms.

A teaspoonful is equal to one drachm.

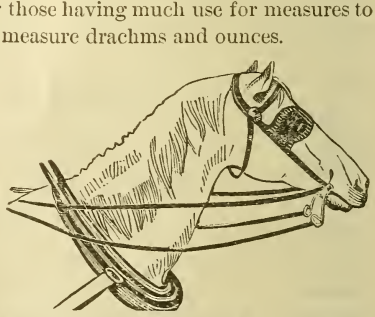
A teacup is estimated to contain about four fluid ounces, or a gill.

A wine glass about two fluid ounces.

The above named household implements vary in size and capacity, so that usually it is difficult to measure with them accurately; yet, for nearly all medicines, it will be near enough for all practical purposes, excepting some teacups are now made to hold six or eight ounces, so that, if the medicine to be measured is poison, it is well to give smaller doses if the exact capacity is not known. It is best for those having much use for measures to procure a glass graduate which will measure drachms and ounces.



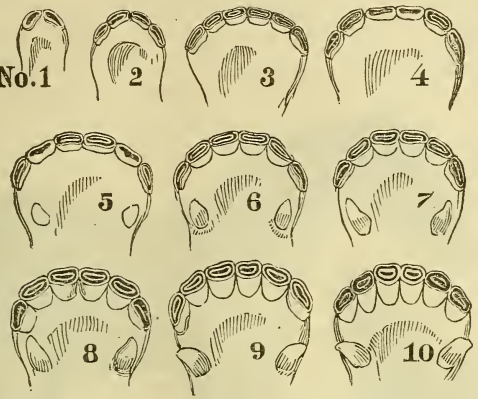
A VERY FOOLISH MANNER OF TORTURING HORSES.



A BETTER AND MORE HUMANE WAY OF TREATING OUR FAITHFUL FRIEND.

THE AGE OF THE HORSE,

Determined by the appearance of the teeth.



The safest way of determining the age of a horse is by the appearance of the teeth, which undergo certain changes in the course of years. Although it may be impossible to give any rules which will be found to be exactly correct *in every case*, yet the following classification is generally correct; but exceptions will occur, as, for instance, a noble horse may be taken for younger than he really is, because the strong structure of all the bones makes the teeth also stronger than those of a horse of the same age, of an inferior breed.

Eight to fourteen days after birth, the first middle nippers of the set of milk teeth are cut (Fig. 1); four to six weeks afterwards, the pair next to them (Fig. 2); and finally, after six or eight months, the last (Fig. 3).

All these milk teeth have a well-defined body and neck, and a slender fang, and on their front surfaces grooves or furrows, which disappear from the middle nippers at the end of one year; from the next pair in two years; and from the incisive teeth (cutters) in three years.

At the age of two, the nippers become loose and fall out; in their places appear two permanent teeth, with deep, black cavities, and full, sharp edges (Fig. 4).

At the age of three, the next pair (Fig. 5) fall out.

At four years old, the corner teeth fall out (Fig. 6).

At five years old, the horse has his permanent set of teeth.

The teeth grow in length as the horse advances in years, but at the same time, his teeth are worn away, by use, about one-twelfth of an inch every year; so that the black cavities of the centre nippers below disappear in the sixth year (Fig. 7); those of the next pair, in the seventh year (Fig. 8); and those of the corner teeth, in the eighth year (Fig. 9). Also the outer corner teeth of upper and lower jaw just meet at eight years of age.

At nine years old, cups leave the two centre nippers above, and each of the two upper corner teeth has a little sharp protrusion at the extreme outer corners (Fig. 10).

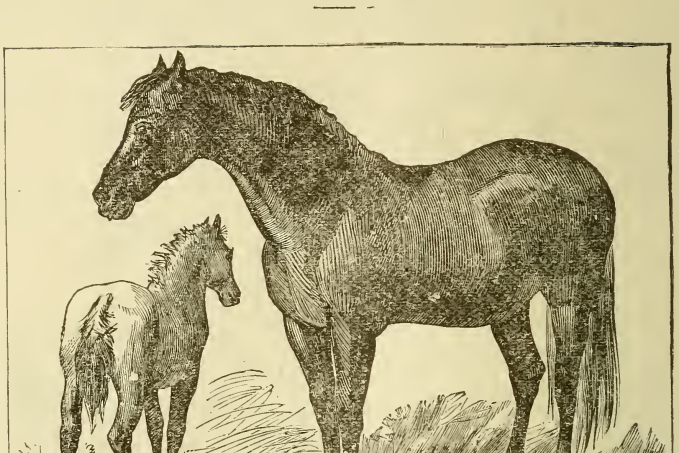
At the age of ten, the cups disappear from the adjoining teeth.

At the age of eleven, the cups disappear from the corner teeth above, and are only indicated by brownish spots.

The oval form becomes broader, and changes, from the twelfth to the sixteenth year, more and more into a triangular form, and the teeth lose, finally, with the twentieth year, all regularity. There is nothing remaining in the teeth that can afterwards clearly show the age of the horse, or justify the most experienced examiner in giving a positive opinion.

The tushes, or canine teeth, conical in shape, with a sharp point, and curved, are cut between the third and fourth year; their points become more and more rounded, until the ninth year, and after that, more and more dull in the course of years, and lose, finally, all regular shape. Mares have, frequently, no tusks, or only very faintly indicated.

BREEDING.



This very important subject is too often neglected. A common mistake in breeding is often made, that mares are bred from after they become useless for work, regardless of hereditary diseases which may be transmitted to their offspring. It should be remembered that one of the characteristic laws of life is the reproduction in kind—"like begets like."

Both parents should be selected with reference to their individual points of excellence, and also so that the points of one may be adapted to the points of the other; for, although both may be excellent individually, the points which characterize one may actually counteract those of the other; but, if defects exist, the breeder should be sure that it is merely accidental and not natural.

None but sound parents should be bred from; (accidents, of course, are not to be regarded as unsoundness). Both parents should be free from any infirmity relative to a vicious temper or bad disposition, although the points of excellence in one way sometimes counteract the bad points

in the other relative to that defect. Great care should be exercised that the same defect does not exist in both. Some knowledge of the parentage of the sire and dam is therefore indispensable.

For ordinary business purposes the best form of a mare to breed from is a short-legged beast, with a deep and roomy chest, wide hips, and so built in every way as to indicate a robust animal, with a strong constitution. Always avoid, if possible, selecting a mare for breeding purposes which has ring-bone, spavin, or any disease that will render the offspring liable to be afflicted with the same, by hereditary descent.

The "breed" should be taken into consideration also. If it is desired to raise a carriage beast, select a mare with a good, animated countenance, sprightly, not too nervous nor too sluggish, but with a general muscular structure. The head of the brood-mare is a point which should be always regarded, for a mare that has a large head, with a dull, stupid countenance, will not breed a good foal, unless it might be from a very sprightly, ambitious horse. The shoulder blade should be wide and long, extending nearly to the top of the withers, and so well covered with muscle as not to present any undue prominence.

The neck should come out from the top of the withers and not low down; the fore-leg should be perpendicular, so that the point of the shoulder and the toe will be in a right line; the foot should be sound, and of good, symmetrical shape.

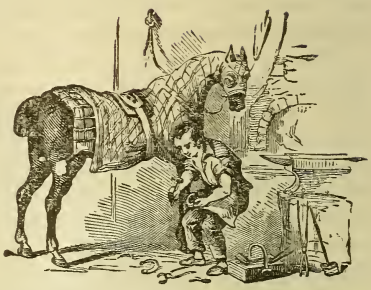
The hips should be long, oval and broad; the hock-joint should be well formed, and not of the "cow-hock" or "sickle-hock" kind.

In selecting a stallion, the rules which we have already given should be observed, remembering that compactness is quite essential, that much goodness and strength may be condensed into a small space. The shoulder should be well back, with the shoulder blade lying obliquely, except that, when it is desired to raise a slow draught-horse, a large stallion, with upright shoulders, should be selected.

In summing up the whole matter we would say, if you would be successful in breeding do not breed into the same family and blood, but select a horse of different blood, unless it should be eight or ten generations removed.

Avoid using a horse which is defective in any particular, when the mare has the same defect, but select one as nearly perfect as possible in that point. Do not breed small mares with very large horses, for there should be mutual adaptation in size and form, as we have before stated.

SHOEING.



With a poor hoof an otherwise valuable horse becomes almost worthless, so that the common saying, "No foot, no horse," is practically correct. For this reason the subject of *horse-shoeing* is one which should receive much attention, as it is by poor shoeing that so many horses are rendered almost valueless for life.

For want of space we can only give some of the more important points which should be observed in order to preserve the hoof in a natural and healthy condition.

The hoof, in its natural state, is adapted only to a grassy surface; so that, when we wish to bring the horse into practical use upon our hard and stony roads, it becomes necessary to protect the hoof, by shoeing, from the unnatural wear and tear which it is subjected to.

It is greatly to be regretted that so large a share of the men who are permitted to do this very important work of shoeing the horse, are so ignorant of the nature and structure of the foot and the principal rules which *should* guide them in doing this very important branch of work.

It is a great fault of nearly all shoers that they cut and pare with the idea of improving the foot, when their aim should be, mainly, to let nature have her course as much as possible, or, in other words, to imitate the natural condition of the foot, and only pare away such parts as have become useless. The shoe should always be fitted to the foot, and not the foot to the shoe, as is too often practiced. That part of the hoof which should not have pressure is the portion between the bar and the quarter, commonly known as the seat of corns. (For location, see engraving on 10th page.)

The greatest pressure should be around the outside of the foot, for about half an inch.

The frog should be allowed to come to the ground, which will prevent, to a certain extent, the concussion which would otherwise take place. *The frog should not be cut down,* as is frequently practiced, nor should it be touched, when healthy, except for the purpose of cleansing.

In paring the foot, be very careful not to cut down the outside, so as to allow the entire weight to rest on the inside of the shoe upon the sole; but only cut away the dead portion of horn on the sole, and cut down the wall from heel to toe until the bearing is natural, leaving it even and as near its natural state as possible. A red-hot shoe should not be allowed to be burned into the foot to fit it.

The shoe to be selected should depend upon the condition of the foot and the condition of the roads, etc. The flat shoe, when properly applied, leaves the foot nearest its natural shape, by allowing the horse a good, even foundation to stand upon, and is most likely to give satisfaction for all ordinary purposes. At some seasons of the year it will be necessary to have calks upon the shoes, but ordinarily the foot should be allowed to come as near the ground as possible.

What we mean by the *flat shoe* is one flat upon its superior surface, which comes in direct contact with the hoof, the under surface being partially concave, so as to assist the horse in grasping the ground, to prevent slipping and to assist in progressing.

The shoe should be as big as the foot so as not to require any cutting down the hoof so as to make it fit the shoe, and the heels of the shoe should not be permitted to project backwards beyond the heel of the hoof more than about one-eighth of an inch.

The outward margin of the shoe should just correspond with the shape of the foot, except at the heel, where the shoe should be a little wider from quarter to heel, especially on the outside.

Many persons are not aware of the thinness of the hoof, which makes it quite necessary that the nail holes should be near the edge, and quite well forward in the toe, so as to avoid driving the nails into the quick, which would cause serious lameness and injury.

Do not rasp under the nail clinches, nor over them; and do not use the rasp at all on the outside of the hoof, not even below the clinches, except just enough near the shoe to round the edge, and do not cut down the hoof if you have used a shoe which is too small.

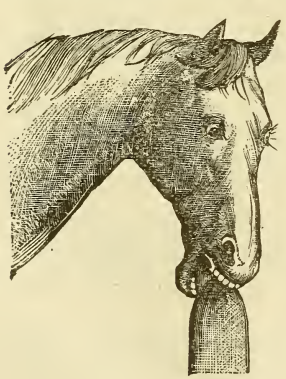
A nail for a horse's foot differs materially from every other kind of nail, not only in shape, but in the quality of iron from which it should be made; it is important that it should be made from the very best of iron, free from flaws, seams, liability to sliver, and all sulphurous gases in the process of manufacture. It is presumed that every shoer knows that a nail *forged* hot, from the end of a rod, needs no argument to convince any one that a *better* nail is thus obtained than by punching, rolling and shearing them from a cold plate. The numerous and well authenticated cases where valuable horses have been *ruined* by using cold rolled nails, are enough to deter any first-class shoer from driving anything but a *Hot Forged* nail,

SPRUNG KNEES.—There exists considerable difference of opinion in regard to the cause of this defect. Investigation shows a permanent shortening of the ligaments at the hind part of the knee.

SPRUNG KNEE & COCKLED ANKLE.

Treatment.—The best treatment known to us and, we believe the best that can be adopted, is to have the place where the horse stands highest under the hind feet, by placing a good quantity of bedding for him to stand on back of the fore feet; then have the horse shod with a high heel, or shoes which grow thicker from toe to heel. Apply Kendall's Spavin Cure over the ligaments at the hind part of the knee-joint, extending to each side as far as the ligaments are felt, and apply it from above the joint down one-third the distance to the fetlock; also apply it in front of the joint when there is any thickening or enlargement there. The Spavin Cure is also one of the best remedies known for cockled ankles, it should be applied in front and around the ankle at night; or if the horse is not being worked, it may be used two or three times a day.

CRIB-BITING.—This is a habit which is very unpleasant, and one that makes a horse unsalable, although not so serious a defect as has been represented by some. The act of cribbing consists of the horse grasping or pressing against the edge of the manger, or any other convenient place, with his teeth, as shown in the engraving; and then after a convulsive action of the throat, there will be heard a grunting sound, accompaned by an apparent drawing in of air, although it is thought by many that, instead of this, a small portion of gas is eructated after some effort.



ACT OF CRIBBING.

Cause–Unhealthy and poorly-ventilated stable, sameness of food, indigestion, and many times it is the result of imitation, if they see it practiced daily by other horses.

APPEARANCE OF THE TEETH OF AN OLD CRIB-BITER.

Treatment.—Take out the manger, and feed the horse from the floor, leaving no place which is convenient for him to grasp with his teeth; this the most

natural position in which a horse can take his food, and we believe it to be the best in any case, whether the horse has the habit or not; but this alone might not prove effectual in all cases, and therefore we recommend to place before the horse a lump of rock-salt, which will many times effect a cure, especialy if taken as soon as the first symptoms are noticed, which are many times preceded by the horse licking the manger out all over the surface which is in his reach; if this does not prove effectual, place a lump of chalk before him. Attend to ventilating the stable, so as to give the horse pure air; then give Prof. Flint's Renovating Powders as described on pages 71 and 95, and also the leaf inserted between pages 80 and 81, and the circular between pages 64 and 65 for testimonials. These Powders will improve the digestion and condition of the stomach. Some recommend a strap buckled around the neck, which will usually stop it if buckled tight; but this is very injurious to the horse. Others recommend a muzzle, with bars across the bottom far enough apart to allow the horse to get his hay or grain, but not to grasp the edge of the manger.

NOTICE-To Our Patrons and All Horse Owners.

The remedies, receipts, directions and treatments given in this book have proved by long experience and practice to give the most satisfactory and best results, and we give them to our patrons with perfect confidence in their merits. Should you not have the ingredients or conveniences at hand for preparing the receipts in this book they can be filled by your Druggist at a slight cost. For the price list of our remedies see page 96.

We have endeavored to include all the practical and necessary information for the care, treatment and management of the horse, but should any of our friends and patrons be in doubt as to the affliction or ailment of their horses or the proper treatment to be followed, and do not find the information in this book, we suggest that they correspond with us. We have a most complete Library of Standard Veterinary works, and a long experience in answering this class of inquiries, and if they will state carefully the nature and exact location of the difficulty, of how long standing, all the symptoms and indications, also what treatment, if any, has been followed and any general information bearing on the subject, we will gladly prescribe or advise as to the treatment, free of any cost to our patrons. Address, DR. B. J. KENDALL CO.,

Enosburg Falls, Vt., U. S. A.

MISCELLANEOUS RECEIPTS.

For Colic.

(*See Treatment of Colic.*)

No. 1.—Take of laudanum, 1 ounce; spirits of turpentine, 1½ ounces. Mix, and give at one dose, in three times the amount of warm water.

No. 2.—Sulphuric ether, 1½ ounces; laudanum, 1 ounce; essence of peppermint, 2 ounces; water, 16 ounces. Mix, and shake well before giving. For further particulars, see page 8.

For Heaves.

(*See Treatment of Heaves.*)

No. 1.—One teaspoonful of lobelia, given in the feed, once a day for a week, and then once or twice a week, will stop them for a time.

No. 2.—Balsam copaiba, 1 ounce; spirits of turpentine, 2 ounces; balsam fir, 1 ounce; cider vinegar, 16 ounces. Mix, and give a tablespoonful once a day.

No. 3.—Saltpetre, 1 ounce; indigo, ½ ounce; rain water, four pints. Mix, and give a pint twice a day.

See page 19 for particulars and other treatment. Prof. Flint's Powders is the best remedy known to us. For descriptions please refer to leaf inserted between pages 80 and 81; also page 71 and circular between pages 64 & 65 for testimonials from our patrons who have used the Powders.

Contracted Hoof or Sore Feet.

No. 1.—Take equal parts of soft fat, yellow wax, linseed oil, Venice turpentine and Norway tar; first melt the wax, then add the others, mixing thoroughly. Apply to the edge of the hair once a day.

No. 2.—Benzine, 1 ounce; salts of nitre, 1 ounce; alcohol, 3 ounces; aqua ammonia, 2 ounces; Venice turpentine, 8 ounces. Mix. Apply to the edge of the hair and all over the hoof once a day for ten days, then twice a week for a short time.

No. 3.—Rosin, 4 ounces; lard, 8 ounces; heat them over a slow fire, then take off and add powdered verdigris, 1 ounce, and stir well to prevent its running over; when partly cool add 2 ounces spirits of turpentine. Apply to the hoof about one inch down from the hair.

Horse Liniments.

KENDALL'S SPAVIN CURE is the best article known to the profession for any purpose for which liniments are used for horse or man. It is a private formula, therefore, do not give it here, it would, however, cost at nearly every drug store in the land more to have it put up, strictly according to our formula, than it now costs the consumer. We can do this as we buy all the costly drugs in very large quantities of first producers.

If your horse has a Spavin, Ringbone, Curb or other blemish; is lame from any cause, sprains, sore tendons, bruises, swellings, etc.; in fact, any trouble for which a specific for bony growth or general liniment may be desired---ask your Druggist for KENDALL'S SPAVIN CURE. Regarding its merits—we would refer you to page 63, giving our experience with it, also pages 65 to 74 giving the endorsements of our Patrons.

For Scratches and Grease Heel.

No. 1.—Balsam fir, 4 ounces, lard, 4 ounces. Stir, with a gentle heat, until thoroughly mixed. Wash the sores well with castile soap, and apply.

No. 2.—Sugar of lead, 2 ounces; borax, 1 ounce; sweet oil, 6 ounces. Mix, and apply twice daily, after washing with castile soap, and drying.

No. 3.—Tincture of myrrh, 2 ounces; glycerine, 4 ounces; tincture of arnica, 2 ounces. Mix thoroughly, and apply two or three times a day, after cleansing, as above, with castile soap.

No. 4.—Take ½ ounce of powdered verdigris and 1 pint of rum or proof spirits. Mix, and apply once or twice a day. This works nicely for grease heel or mud fever.

For further particulars see pages 19 and 30. Kendall's Spavin Cure has also been used with good success in connection with other treatment. Prof. Flint's Powders are excellent especially if the horse's blood is impure.

Cuts, Wounds and Sores.

No. 1.—Take of lard, 4 ounces; beeswax, 4 ounces; rosin, 2 ounces; carbolic acid, ¼ ounce. Mix the first three, and melt; then add the carbolic acid, stirring until cool. This is excellent for man as well as beast.

No. 2.—Tincture aloes, 1 ounce; tincture myrrh, ½ ounce; tincture opium, ½ ounce; water, 4 ounces. Mix, and apply night and morning.

No. 3.—Tincture opium, 2 ounces; tannin, ¼ ounce. Mix.

See pages 32 and 33 for further information. Kendall's Spavin Cure is good for fresh cuts.

Sweeney.

No. 1.—Spanish flies, camphor gum and cayenne, of each 1 ounce; alcohol, 10 ounces; spirits turpentine, 6 ounces; oil origanum, 2 ounces. Mix. See page 37 for further information.

No. 2.—Alcohol, 16 ounces; spirits turpentine, 10 ounces; muriate of ammonia, 1 ounce. Mix.

No. 3.—Alcohol, water, spirits turpentine and soft soap, of each 1 pint; salt, 6 ounces. Mix.

Poll Evil and Fistula.

No. 1.—Copperas, 1 drachm; blue vitriol, 2 drachms; common salt, 2 drachms; white vitriol, 1 drachm. Mix, and powder fine. Fill a goose quill with the powder, and push it to the bottom of the pipe, having a stick in the top of the quill, so that you can push the powder out of the quill, leaving it at the bottom of the pipe; repeat again in about four days, and in two or three days from that time you can take hold of the pipe and remove it without trouble.

No. 2.—Tincture of opium, 1 drachm; potash, 2 drachms; water, 1 ounce. Mix, and, when dissolved, inject into the pipes with a small syringe, having cleansed the sore with soap-suds; repeat every two days until the pipes are completely destroyed.

For full particulars, see page 27; and kindred ailments Shoe boil, Capped Hock, etc., page 7.

Bots.

Take new milk, 2 quarts; syrup, 1 quart. Mix, and give the whole, and, in fifteen or twenty minutes after, give two quarts of warm, strong sage tea; half an hour after the tea, give one quart of raw linseed oil, or, if the oil can not be had, give lard instead.

Ointment for Horses.

Beeswax, 2 ounces; rosin, 3 ounces; lard, 4 ounces; carbolic acid, 1 drachm; honey, ½ ounce; melt all together and bring slowly to a boil; then remove from the fire, and add, slowly, 1 gill of spirits of turpentine, stirring all the time until cool. Used, with good success, for galls, cracked heels, flesh wounds or bruises.

Condition Powders.

No. 1.—Gentian, fenugreek, sulphur, saltpetre, cream of tartar, of each 2 ounces; resin, black antimony, of each 1 ounce; ginger, liquorice, 3 ounces each; cayenne, 1 ounce; pulverized and mixed thoroughly. Dose, 1 tablespoonful, once or twice a day, mixed with the food. Used, with good success, for coughs, colds, distemper, hide-bound, and nearly all diseases for which condition powders are given.

No. 2.—Fenugreek, 4 ounces; ginger, 6 ounces; anise, pulverized, 4 ounces; gentian, 2 ounces; black antimony, 2 ounces; hard wood ashes, 4 ounces. Mix all together. Excellent to give a horse an appetite.

See Prof. Flint's Powders described on page 95, also see leaf between pages 80 and 81 for full particulars; and for testimonials, page 71. These

Powders are prepaired from High Grade and Pure Drugs; entirely free from adulterations of any kind. We think, they are the best article known for Impure Blood, Coughs, Pinkeye, Heaves, Hidebound, Rough Coat, Epizootic, Etc.

Liniments for Horses.

KENDALL'S SPAVIN CURE is the best article known to the profession for any purpose for which liniments are used for horse or man. It is a private formula, therefore, do not give it here, it would, however, cost at nearly every drug store in the land more to have it put up, strictly according to our formula, than it now costs the consumer. We can do this as we buy all the costly drugs in very large quantities of first producers.

If your horse has a Spavin, Ringbone, Curb or other blemish; is lame from any cause, sprains, sore tendons, bruises, swellings, etc.; in fact, any trouble for which a specific for bony growth or general liniment may be desired---ask your Druggist for KENDALL'S SPAVIN CURE. Regarding its merits—we would refer you to page 63, giving our experience with it, also pages 65 to 74 giving the endorsements of our Patrons.

Saddle and Harness Galls, Bruises, etc.

No. 1.—Tincture of opium, 2 ounces; tannin, 2 drachms. Mix, and apply twice a day.

No. 2.—Take white lead and linseed oil, and mix as for paint, and apply two or three times a day. This is good for scratches, or any wounds on a horse.

Eyewater for Horses.

Sugar of lead, 1 drachm; tincture of opium, 2 drachms; soft water, 1 pint. Mix, and wash the eye two or three times a day.

Founder.

No. 1.—Vinegar, 3 pints; cayenne pepper, ½ drachm; tincture of aconite root, 15 drops. Mix, and boil down to one quart; when cool, give it as a drench. Blanket the horse well; after the horse has perspired for an hour or more, give one quart of raw linseed oil. This treatment will be found good for horses foundered by eating too much grain.

No. 2.—Some recommend for horses foundered on grain, to bleed about one gallon, then to drench the horse with one quart of raw linseed oil; after this to rub the fore legs well, and for a long time, with very warm water, having a little tincture of opium mixed with it. As the horse will not recover from loss of blood for a long time, it is usually better to adopt the treatment given in No. 1.

Anodyne Drenches.

No. 1.—Tincture of opium, 1 ounce; starch gruel, 1 quart. Mix.

No. 2.—Sweet spirits of nitre, 1 ounce; tincture of opium, 1 ounce; essence of peppermint, ¼ ounce; water, 1 pint. Mix.

No. 3.—Tincture of opium, 1 ounce; spirits of camphor, ½ ounce; anise. ½ ounce; sulphuric ether, 1 ounce; water, 1 pint. Mix.

Diabetes.

Sugar of lead, 10 grains; alum, 30 grains; catechu, 1 drachm; tincture of opium, ½ ounce; water, 1 pint. Mix.

Farcy and Glanders.

No. 1.—Iodide of potassium, 1¼ drachms; copperas, ½ drachm; ginger, 1 drachm; gentian, 2 drachms; powdered gum arabic and syrup to form a ball.

No. 2.—Calomel, ½ drachm; turpentine, ½ ounce; blue vitriol, 1 drachm; gum arabic and syrup to form a ball.

No. 3.—One-half ounce sulphite of soda, 5 grains Spanish flies, powdered. Mix, and give at night in cut feed for several weeks; give at the same time, every morning and noon, 3 drachms powdered gentian, 2 drachms powdered blue vitriol; give the medicine for a long time; feed well. This is the best treatment that can be given for this disease. For particulars see pages 13&18.

Fever Balls.

No. 1.—Saltpetre, 2½ drachms; tartar emetic, ½ drachm; flaxseed meal, 1 ounce; camphor, ½ drachm; ginger, 2 drachms. Mix, and form into a ball. Repeat three or four times a day if necessary.

No. 2.—Tincture aconite, ten drops; tartar emetic, ¼ drachm; saltpetre, 1 drachm; ginger, 2 drachms; linseed meal, 1 ounce. Mix, and form into a ball. Repeat three or four times a day if necessary.

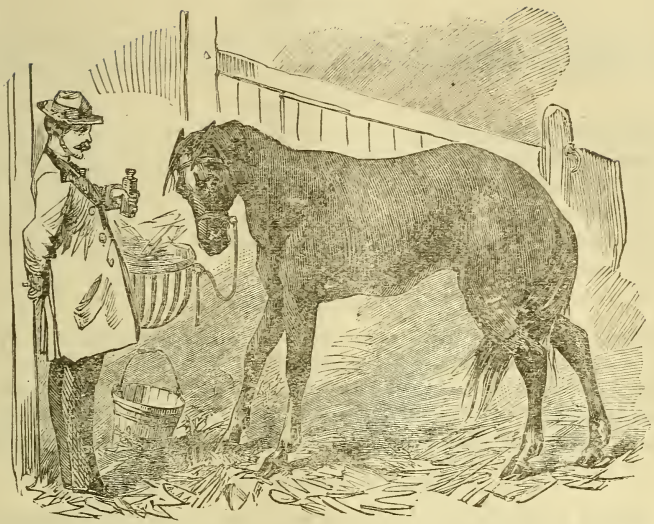
Diuretic and Tonic Balls.

Copperas, 1½ drachms; ginger, 1 drachm; gentian, 1 drachm; saltpetre, 3 drachms; rosin, ½ ounce; flaxseed meal, 1 ounce. Mix, and form into a ball.

Diuretic Balls.

No. 1.—Saltpetre, 3 drachms; rosin, 4 drachms; castile soap, 2 drachms; fenugreek, 3 drachms; flaxseed meal, 1 ounce. Mix, and form into a ball.

No. 2.—Oil of juniper, ½ drachm; rosin and saltpetre, each, 2 drachms; camphor, ½ drachm; castile soap, 1 ounce; flaxseed meal, 1 ounce. Mix, and form into a ball.



THIS ENGRAVING ILLUSTRATES THE FOLLY OF A HEAVY MAN RIDING A COLT HARD ALL DAY. BE MERCIFUL TO YOUR BEAST.

Cordial Balls.

No. 1.—Anise, powdered, ½ ounce; ginger, 1 drachm; gentian, 1 drachm; fenugreek, 2 drachms. Mix.

No. 2.—Caraway and ginger, each, 2 drachms; anise, gentian and fenugreek, each, 1 ounce. Mix.

No. 3.—Camphor, 1 drachm; anise, 3 drachms; tincture of opium, 1 ounce; powdered extract of liquorice, 3 drachms; flaxseed meal, 1 ounce. Mix.

Astringent and Cordial.

No. 1.—Opium, 12 grains; camphor, ½ drachm; catechu, 1 drachm. Mix.

No. 2.—Opium, 10 grains; camphor, 1 drachm; ginger, 2 drachms; castile soap, 2 drachms; anise, 3 drachms; liquorice, 2 drachms. Mix.

Alterative and Laxative Balls.

No. 1.—Linseed meal, 1 ounce; aloes, ½ ounce; castile soap, ½ ounce. Mix.

No. 2.—Ginger, 1 drachm; castile soap, 2 drachms; Barbadoes aloes, pulverized, 6 drachms; flaxseed meal, 1 ounce. Mix.

Tonic Ball.

Prof. Flint's Powders is the best Tonic and Blood Purifier known to us. See page 95 and leaf between pages 80 and 81, also testimonials psge 71.

Diuretics.

Take of balsam copaiba, 2 ounces; sweet spirits of nitre, 3 ounces; spirits of turpentine, 2 ounces; oil of juniper, 2 ounces; tincture of camphor, 2 ounces. Mix; shake the bottle before pouring the medicine. Dose for adult horse: Two tablespoonfuls in a pint of milk, repeated every four to six hours, if necessary. This is a reliable preparation for kidney difficulties.

Cough Mixtures.

No. 1.—Oil of tar, given as directed for treatment of heaves, is one of the best remedies for nearly all coughs.

No. 2.—Take of alcohol, ½ pint; balsam of fir, 2 ounces. Mix well, and add all the tar it will cut. Shake well before using. Dose, from one to two teaspoonfuls two or three times a day. Flint's Powders are good, see page 95.

Farcy.

Nitrate of potash, 4 ounces; black antimony, 2 ounces; sulphite of soda, 1 ounce; elecampane, 2 ounces. Mix. Dose, one tablespoonful once or twice a day. See also page 13.

Nasal Gleet.

No. 1.—Aloes, 6 ounces; pulverized nux vomica, 3 drachms; flaxseed meal, 4 ounces. Make into eight powders, and give one or two each day.

No. 2.—Copperas, 2 ounces; pulverized gentian, 3 ounces; elecampane, 1 ounce; linseed meal, 3 ounces. Mix, and give from half to one tablespoonful twice a day. See also page 27.

Cracked Heels.

Tar, 8 ounces; beeswax, 1 ounce; rosin, 1 ounce; alum, 1 ounce; tallow, 1 ounce; sulphate of iron, 1 ounce; carbolic acid, 1 drachm. Mix, and boil over a slow fire. Skim off the filth, and add 2 ounces of the scrapings of sweet elder.

Thrush.

No. 1.—Wash the feet well, with castile soap and water, and sprinkle a small quantity of pulverized blue vitriol in the cleft; then fill up all the cavities with cotton, press it in so as to keep out all dirt, and repeat as often as necessary until the cure is complete.

No. 2.—Blue vitriol and copperas, of each 1 ounce; burnt alum, 2 ounces; white vitriol, ½ ounce. Mix.

Water Farcy.

No. 1.—Saltpetre, 2 ounces; copperas, 2 ounces; ginger, 1 ounce; fenugreek, 2 ounces; anise, ½ ounce; gentian, 1 ounce. Mix, and divide into eight powders; give two or three each day.

No. 2.—Gentian, 1 ounce; ginger, ½ ounce; anise, 1 ounce; elecampane, 2 ounces; blue vitriol, 1 ounce; flaxseed meal, 2 ounces; saltpetre, 2 ounces. Mix, and divide into eight powders. Moderate daily exercise and rubbing the limbs are useful.

Healing Preparations.

No. 1.—Carbolic acid, 1 ounce; soft water, 2 pints. Mix.

No. 2.—White vitriol, 1 ounce; soft water, 2 pints. Mix.

No. 3.—Pulverized camphor, 1 drachm; prepared chalk, 6 drachms; burnt alum, 4 drachms. Mix. Sprinkle over the sore.

No. 4.—Tincture of opium, 1 ounce; tannin, 1 drachm. Mix, and shake well before using. Excellent for galls of collar, saddle, or in fact for any purpose requiring a healing astringent.

For Galled Back or Shoulders.

Tincture of arnica, 1 ounce; vinegar, 6 ounces; brandy, 4 ounces; sal ammoniac, 2 ounces; soft water, 1 pint. Mix, and bathe with it often.

For Unhealthy Ulcers.

Nitric acid, 1 ounce; blue vitriol, 3 ounces; soft water, 15 ounces. Mix.

For Fresh Wounds.

Copperas, 2 drachms, white vitriol, 3 drachms; gunpowder, 2 drachms; boiling soft water, 2 quarts. Mix. When cool it is ready for use.

Healing Mixture.

Cosmoline, 5 ounces; carbolic acid, 1 drachm. Mix. This is one of the very best of mixtures for any sore, especially for such cases as are inclined not to heal readily.

To Cure Mange.

Oil tar, 1 ounce; lac sulphur, 1½ ounces; whale oil, 2 ounces. Mix. Rub a little on the skin wherever the disease appears, and continue, daily, for a week, and then wash off with castile soap and warm water.

Healing Mixture for Cuts.

Balsam copaiba, 2 ounces; tincture of myrrh, 3 ounces. Mix. This is a good healing mixture.

Sore Lips.

The lips become sore frequently at the angles of the mouth, from bruising with the bit. They can be cured by applying the following mixture:

Tincture of myrrh, 2 ounces; tincture of aloes, 1 ounce; tincture of opium, ½ ounce. Mix, and apply three or four times a day.

For Sore Mouth and Lips.

Borax, 1 ounce; tannin, ¼ ounce; glycerine, 8 ounces. Mix, and apply two or three times a day, with a swab.

For Sprains, etc.

For particulars, see page 36. Kendall's Spavin Cure is the best preparation for sprains, sore or strained tendons, and swollen muscles.

Eye Water.

White vitriol and saltpetre, of each 1 scruple; pure soft water, 8 ounces. Mix. This should be applied to the inflamed lids three or four times a day, and if the inflammation does not lessen in one or two days, it may be injected directly into the eye.

The writer has used this for his own eyes, reduced half with water, and dropped directly into the eye, which would cause the eye to smart considerably for about five minutes, when he would bathe the eye with cold water for a few minutes, and, by repeating this three or four times a day, it has given the very best of satisfaction.

It does nicely, many times, to just close the eye and bathe the outside freely.

For Poll Evil, Fistula, or any Indolent Ulcer.

Fill the sore to the bottom with ashes from burnt corn cobs; repeat two or three times, if necessary, or until a cure is effected.

For Colic.

Take of gum myrrh, 1 ounce; gum camphor, 1 ounce; powdered gum guaiac, 1 ounce; cayenne, 1 ounce; sassafras bark, powdered, 1 ounce; spirits turpentine, 1 ounce; oil origanum, ¼ ounce; oil hemlock, ½ ounce; pulverized opium, ½ ounce; strongest alcohol, 2 quarts. Mix all together, shake often for eight or ten days, and filter or strain through flannel. Dose, from one to three tablespoonfuls, according to the severity of the case; give in a pint of milk.

We never have known the above remedy to fail of giving relief when given for colic, in horses. In many cases where it has been used it has

given immediate relief, even though various other remedies had failed of giving any relief.

It makes one of the very best of Pain Killers for family use, and we advise all to keep it on hand. For particulars, see page 8.

For Flesh Wounds.

To prevent inflammation or tendency to sloughing or mortification, take 1 pound saltpetre, 2 gallons water, 3 pints proof spirits; mix, and inject into the wound with a syringe three times a day until it heals. In treating deep wounds or those of a dangerous character, especially if the animal is inclined to be fat, give a dose of physic, feed bran, carrots, etc. No grain should be fed, and grass is more desirable than hay. If grass is fed freely, physic is not necessary. For particulars, see sores, page 32.

For Removing Enlargements, etc.

Kendall's Spavin Cure is the best remedy for removing unnatural enlargements of whatever nature. Read proof on pages 65-66-67-68-69 & 70, also see circular between pages 64 and 65.

For Bruises, Cuts, etc., on Horse or Man.

Tincture arnica, 1 ounce; sassafras oil, ½ ounce; laudanum, 1 ounce. Mix. Shake well before using. Bandage lightly, and keep wet with the mixture.

Quarter Crack.

The best way to cure quarter crack is to open the heel on that side between bar and frog, cutting down pretty well, (not sufficient to cause bleeding), until the quarter will give freely; then put on a shoe that will expand the heel. It is also necessary in this case that the inner heel should be opened or spread, as the hoof is simply too small for the foot; if this is properly done, the point is directly reached. Some recommend, in addition to this, burning, with a hot iron, a crease across at the upper edge of hoof. If this is done properly, the hoof will not split any more. The hoof may now be more rapidly grown if desired. Opening the foot and the shoe is the point of success.

Quittor.

Corrosive sublimate, ¼ ounce; muriatic acid, 20 drops; soft water, 2 ounces. Mix the last two and shake well, then add the first.

Inject a little with a glass syringe once or twice, being careful to inject to the bottom. Warm poultices, used for several days, generally work well. For particulars, see page 27.

To Grow Hair.

Mix sweet oil, 1 pint; sulphur, 3 ounces. Shake well, and rub into the dock twice a week.

For Worms.

Calomel, 1 drachm; tartar emetic, ½ drachm; linseed meal, 1 ounce; fenugreek, 1 ounce. Mix, and give in feed at night; repeat the dose two or three times, and follow with one and a half pints of raw linseed oil, about six hours after the last powder has been given.

Grease Heel.

Chloride of zinc, 1 1-2 drachms; water, 10 ounces; glycerine, 8 ounces. Mix. If there is much discharge, apply a poultice for several hours, followed by application of the above, after cleansing well with soft water and castile soap. The following powders should be given at the same time in the feed, every night, for a week or two: Bicarbonate of soda, 1 ounce; arsenic, 1 drachm; iodide of iron, 1-2 ounce; fenugreek, 2 ounces; ginger, 2 ounces; elecampane, 1 ounce. Mix thoroughly, and divide into twelve powders.

See also pages 19 and 51.

For Distemper.

Hops, 2 ounces; carbolic acid, 30 drops: boiling water, 2 gallons. Mix the hops and carbolic acid with the boiling water, and compel the animal to inhale the steam for fifteen or twenty minutes at a time; repeat three times a day. Apply a strong mustard paste to the throat, and place a warm poultice over the paste. Feed warm mashes and boiled vegetables; keep the stable comfortably warm and the air pure. Give the following powders once a day: Powdered Peruvian bark, 2 ounces; powdered gentian, 1 ounce; powdered copperas, 1 ounce. Mix, and divide into eight powders.

For particulars and other treatment, see page 13.

Thrush.

Take white vitriol, 2 ounces; soft water, 8 ounces. Mix, and apply to the diseased surface, after the ragged parts have been cut away and thoroughly cleansed. Pack the cavities with cotton batting, so as to keep out all dirt. See also page 56.

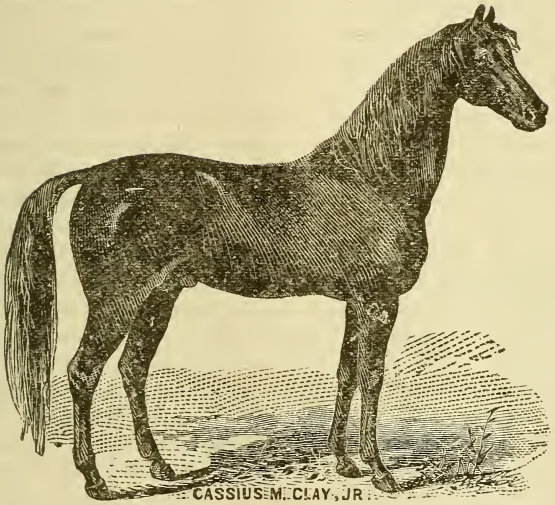
For Ringworm.

Apply mercurial ointment three or four times a week

For Brittle and Contracted Hoofs.

Take of castor oil, Barbadoes tar and soft soap, equal parts of each; melt all together and stir while cooling, and apply a little to the hoof three or four times a week.

TO HORSE OWNERS.



All must admit that we live in an age of improvements, and that we enjoy what our forefathers never even dreamed of—in the fast and easy transportation, rapid communication from continent to continent, and the use of the hundreds of labor-saving machines; and yet before or even when these great discoveries were first made known to the public, how many there were (like Thomas) who doubted But "time will prove all things," and so it has been with all these inventions which were once said to be impossibilities, for now we know them to be of the great value which their originators claimed for them.

In the year 1875 it was claimed by the publisher of this book, that he had discovered a combination of remedies which would cure bone spavins and remove the enlargement without blistering or causing any sore. Like

all other discoveries, this too was scouted at when first announced to the public, as might naturally have been expected, by those who knew most about the usual manner of treating this difficulty, and by those who had tried faithfully everything they could learn of ever being used, but only meeting with disappointment with each trial of the vaunted remedy This class (being *horsemen*) knew that a bone spavin made an otherwise valuable horse of but little worth, for they knew how frequently the most powerful remedies had been used, such as blisters, which were so powerful as to destroy the tissues, and also the red hot iron, which was worse, if possible, and still the horse left as bad *or worse* than before anything had been used—therefore, after so many disappointments of this kind, it would be very natural for men having such an experience, to say it was impossible to cure a spavin, and remove the bunch, and to do it with a remedy so mild as not to blister. But, as we said before, "time will prove all things," and so it has been with Kendall's Spavin Cure, and those who were the first to condemn it are now the loudest in its praise; (I mean those who were *horsemen*, and who knew that if a cure was to be accomplished, there was something needed more than to simply make a few hasty and perhaps faulty applications and therefore would use the Spavin Cure with patience according to directions).

The time was, in the practice of medicine, when about every patient was subjected to the rash treatment of bleeding and salivation from the indiscriminate use of calomel, but time has proved these plans of treatment to be more fruitful of damage than otherwise, so they have become among the things of the past. A similar reform is now taking place in the treatment of the horse, the most useful animal ever created; and horsemen are beginning to learn that a horse needs more humane treatment than he has received in the past, and the cases are *very rare* which require the powerful remedies that have been in use; and I think we can safely say that those cases *never occur* which require the use of the red hot iron, and the men are very few that would allow this barbarous treatment to be practiced upon their own person; and we ask why any man should allow this noble animal to be subjected to any treatment that he would not submit to upon his own person? Could the horse, like Balaam's animal, be for a moment endowed with the power of speech, he would say—do not subject me to any treatment which you consider too cruel for yourself; for we, like you, have been created with nerves of sensibility, so that pain is as hard for us to endure as for you, and therefore we ask that you will always have mercy upon us (as a merciful man should do), and consider, before treating us, (or neglecting to do so), whether it is doing just as you would be done by.

It might be of interest to some, for us to state here how Kendall's Spavin Cure happened to be discovered.

Our Experience with Bone Spavin.

The proprietor having a horse which he prized, for her goodness and gentleness, and which in some way became spavined, was under the necessity of resorting to the popular remedies in use at that time, for the treatment of the spavin; after a few weeks' treatment the outlook seemed to be rather discouraging; but as we had had experience as a practicing physician, and also the benefit of all the receipts which were said to be cures—having been in the drug business for several years, and filled the receipts from the various horsemen in our vicinity—we felt that our experience had been such that we were certainly equal to the task, if any one was, and so we continued, first with this liniment, and then with the other, until we had gone through with the whole catalogue of the (so called) "*sure cures.*" We took counsel of the various horsemen who were quite sure their receipts would be just *the* thing, but when informed that all this and more too had been used we received but little consolation. As the horse was no better, and several weeks had elapsed since we began the treatment, our faith in the power of any remedy to even stop the lameness (to say nothing of removing the enlargement) was very weak; but still we were finally persuaded that a thorough use of blisters might cure, and it was our only hope, and we therefore proceeded to torment the poor animal by applying blisters about every two weeks, and giving the horse rest, until six blisters had been applied, during which time the horse was allowed to remain (nearly all summer) in the barn; and as the horse was no better, that we could perceive, it will be easy for any one to imagine our feelings in regard to the power of *any remedy* to cure bone spavin, and then we, like many others, were *very positive in our opinion* that there was nothing which would cure a bone spavin, and finally stopped all treatment.

About six weeks after we had stopped all treatment, we decided to give the case another trial, for it seemed to us that there was something that would effect a cure if we could only get the right thing. Instead of using the remedies which everybody said were sure cures, we began to reason about the matter, and it occurred to us that if we had been treating a human being we should have treated him in a more humane manner, and therefore we compounded a mixture which was entirely different from anything we had ever heard of being used, and again began to treat the horse, and, to our great surprise, in a short time (about two weeks) the lameness all subsided; and, by continuing the treatment awhile after the lameness had subsided, the enlargement was entirely removed. I could hardly realize what a wonderful cure had finally been accomplished, but after preparing the same mixture for a great many cases, without hearing of its failing to cure in a single case, I was then fully satisfied of the *great worth of this remedy to horse owners*, and began to put it up for the public; and since that time the cures

which it has effected have been almost innumerable, and now those who are most capable of judging of its merits pronounce it to be the best remedy for the purposes for which it is prepared that they have ever known to be used.

We therefore offer the *Kendall's Spavin Cure* to the public with perfect confidence believing that in nearly if not every case in which a man might *reasonably* expect a cure, if he uses the Spavin Cure thoroughly and patiently, according to the directions, he will effect a cure. By the words "thoroughly and patiently" used above we mean to use as directed on bottle, by *rubbing down to the skin well*, as what remains on the hair has no effect, and by applying over the size of the whole of the enlargement; but there is no good reason for applying all over the leg because one desires to be thorough and cover the whole of the bunch, for what is applied to the space outside of the enlargment is only wasted—but we frequently find parties who apply it almost indiscriminately to the whole of the hock joint, when a space the size of a cent, perhaps, would be all that was necessary, and therefore the bottle of Spavin Cure is used, or rather wasted, in a very few days, and the man finds his horse no better, and drops the use of the Cure, and perhaps condemns it, when he has not given it the slightest fair chance to effect a cure. By the word "patiently" we would be understood to mean, to apply it according to directions, for a long time, if *necessary*, for no difficulty of so serious a nature as spavin is, can be removed by *any* remedy in only a few days; and if any man would stop to consider he might know that it would be impossible. We might occupy many pages in relating our experience and in giving full directions for the use of Kendall's Spavin Cure, but will not add more here except to say, *use good common sense in applying it, and in the use of the horse.*

Please look over the testimonials found on pages 65 to 70 inclusive, all of which are from horse owners. Also see treatment given for bone spavin and ring bone, pages 33 to 36 inclusive and 29.

On Human Flesh

Although Kendall's Spavin Cure was not originally designed to be used on human flesh, yet it has been found to give good satisfaction in thousands of cases, and now we have no hesitancy in stating that it is one of *the best liniments* for external use on human flesh of which we have any knowledge It can be used full strength, with perfect safety, for rheumatism or any lameness requiring a liniment; also, for bruises, cuts, corns, frost-bites, burns, sprains, or for any purpose for which an external liniment is used. See testimonials pages 73, 74 and 90.

WE GUARANTEE

Prof. Flint's Horse and Cattle

Renovating Powders

ABSOLUTELY PURE

The superiority of **Prof. Flint's Horse and Cattle Renovating Powders** over many other Condition Powders is in the absolute purity of the drugs used in their composition. How do we know a great many of the different named powders are cheap adulterations? Simply because the price at which they are sold to the retail Druggist is less than the *actual cost* of the crude material which form the ingredients of Prof Flint's Horse and Cattle Renovating Powders. We can buy drugs as cheap as any other firm in the United States, and the only difference there possibly can be in cost between Prof. Flint's Powders and the cheap Condition Powders, with which the market is flooded at the present time, is in the quality of the drugs used. We can make as cheap a Condition powder as any party, but it can only be done as many do it, *adulterate every ingredient used.* This we will not do. We believe the wisdom of the course we are persuing in keeping upon the market an absolutely pure Condition powder *which can be relied upon to do all that is claimed for it,* will in time be acknowledged. No preparation made can be adulterated so easily, and counterfeit the genuine so closely as Condition powders. "The proof of the pudding is in the eating" and we unhesitatingly place Prof. Flint s Horse and cattle Renovating Powders before the American people, and unqualifiedly claim for them an absolutely pure Condition powder which we can recommend as a **Blood Purifier** also for the following ailments:

COUGHS, PINK-EYE, HEAVES,

HIDE-BOUND, ROUGH-COAT,

EPIZOOTIC.

AS A BLOOD PURIFIER:—They have no superior within our knowledge for any disease or bad condition caused by impure blood. Every man knows or should know, that thousands of horses are sick or in **Bad Condition** simply because their blood is impure, which is caused by the horse being kept in the barn where the atmosphere is foul, or being improperly fed. We have no hesitancy in saying that **Prof Flint's Renovating Powders** is the *best remedy known to us* for any ill condition or sickness caused by impure blood, which shows itself by the horse looking poor, being dull, coat being rough and not looking thrifty, hide bound, and legs swelling. We never knew it to fail in any case of ill condition as described above. After one or two pounds have been given to a horse according to directions, he should show very satisfactory improvement.

FOR COUGHS:—We have found it a satisfactory remedy for every kind of cough, whether of short duration or of long standing; if given until one to three pounds have been used for cases of long standing.

EPIZOOTIC:—This disease prevails at times to an alarming extent. The virtues of these powders have been tested in a great many cases and we believe the remedy most valuable. It usually affords relief in a few days, and no case, so far as we know, has been afflicted with the bad after effects which usually follow those treated with some remedies, or left to themselves without treatment.

PINK-EYE:—This disease which is similar in its nature to epizootic, in the extent to which it prevails at times, is best treated with these powders.

HEAVES:—Many parties who have used Prof. Flint's Renovating Powders for heaves, say that they will do all that is claimed for them.

We can send these powders by mail, *postage prepaid*, for 50 cents for a large package weighing about one pound, or five packages for $2.25.

SINGLE POUND PACKAGE, 50 CTS., FIVE 1 POUND PACKAGES, $2.25

If your local Druggist or Dealer does not keep them, address orders to

DR. B. J. KENDALL COMPANY,

MANUFACTURERS,

Enosburg Falls, Vt., U. S. A.

Prof. Flint's

HORSE AND CATTLE

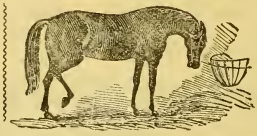
Condition AND Renovating Powders.

HOW CAN YOU EXPECT GOOD RESULTS UNLESS THE MEDICINE USED IS ABSOLUTELY PURE!

Many of the Condition Powders now upon the market are offered to the Public at a price below that which the pure drugs cost, in consequence they are, and can only be, miserable adulterations.

GUARANTEE.

We GUARANTEE PURE DRUGS the composition of



that ABSOLUTELY ONLY are used in Flint's Powders.

THE BEST ARTICLE KNOWN TO US AS A BLOOD PURIFIER

ALSO FOR

Coughs, Pink-Eye, Heaves, Hide-Bound, Rough Coat, Epizootic.

THE REASON WHY **PROF. FLINT'S POWDERS** HAVE MET WITH SUCH EXCELLENT SUCCESS, GIVING UNIVERSAL SATISFACTION,

Is from the fact that only the highest grade of drugs are used in its preparation, and their being ground and mixed in the most perfect manner. Every drug purchased is carefully examined and tested by a professional Chemist, hence its great superiority over adulterated articles which sell for less price.

In our opinion it is the best article known for all diseases of Horses and Cattle, arising from impure blood. Sent by mail, postage pre-paid, at the following prices:

Single Pound Packages, 50 cts., Five 1lb. Packages, $2.25.

If your local Druggist or Dealer does not keep them, address orders to

DR. B. J. KENDALL COMPANY,

ENOSBURG FALLS, VT., U. S. A.

PROF. FLINT'S HORSE AND CATTLE

Condition and Renovating Powders.

We have thoroughly tested the virtues of these powders and found them to be most valuable for Horses or Cattle.

AS A BLOOD PURIFIER.— They have no superior within our knowledge for any disease or bad condition caused by impure blood. Every man knows, or should know, that thousands of horses are sick or in Bad Condition simply because their blood is impure, which is caused by the horse being kept in the barn where the atmosphere is foul, or being improperly fed. We have no hesitancy in saying that Prof. Flint's Renovating Powders is the *best remedy known* to us for any ill condition or sickness caused by impure blood, which shows itself by the horse looking poor, being dull, coat being rough and not looking thrifty, hide bound, legs swelling, etc. We never knew it to fail in any case of ill condition as described above. After one or two pounds have been given to a horse according to directions, he will fat up in a very short time, and act entirely different.

FOR COUGHS.—We have found it a satisfactory remedy for every kind of cough, whether of short duration or of long standing; if given until one to three pounds have been used for cases of long standing.

EPIZOOTIC.—This disease prevails at times to an alarming extent. The virtues of these powders have been tested in a great many cases and we believe the remedy most valuable. It usually affords relief in a few days, and no case so far as we know has been afflicted with the bad after effects which usually follow those treated with some remedies, or left to themselves without treatment.

PINK-EYE.—This disease which is similar in its nature to epizootic, in the extent to which it prevails at times, is best treated with these powders.

HEAVES.—Many parties who have used Prof. Flint's Renovating Powders, for heaves, say that they will do all that is claimed for them.

We can send these powders by mail, *postage prepaid*, for 50 cents for a large package weighing about one pound, or five packages for $2.25.

"KENDALL'S TREATISE ON THE HORSE AND HIS DISEASES."

We advise everyone to send to us for **"Kendall's Treatise on the Horse And his Diseases.** It treats in detail all the diseases afflicting the noble animal; and will be sent upon receipt of a two-cent stamp for mailing.

Evidence That Must Satisfy All.

That the most skeptical may be fully satisfied in regard to the virtues claimed for Prof. Flint's Horse and Cattle Renovating Powders, we have compiled below a few of the hundreds of testimonials showing the excellent satisfaction given. This evidence is wholly unsolicited.

You are at liberty to communicate with any one or all of the parties that their statements may be verified, by enclosing a 2 cent stamp it will bring a reply, or the original letter is on file in our office, and may be inspected.

Washington, N. J.

DR. B. J. KENDALL CO.,
Enosburgh Falls, Vt.

Dear Sirs:—Having used at different times many of your receipts for horses, and especially your Kendall's Spavin Cure and Prof. Flint's Powders, I think them very excellent Remedies.

Yours respectfully,
J. A. VAN HORN.

Orion, Mich.

DR. B. J. KENDALL CO.,
Enosburgh Falls, Vt.

Gents:—I have used your Prof. Flint's Powders for **Heaves, Impure Blood** and **Founder** with perfect satisfaction, effecting a cure. Will not use any other.

Yours truly,
GEORGE. B. LAMBERTON.

Transit, Ohio.

DR. B. J. KENDALL CO.,
Enosburgh Falls, Vt.

Dear Sirs:—I ordered two packages of your Prof. Flint's Renovating Powders about two months ago and was so well pleased with them that I want two more, please send as soon as possible and oblidge.

JOHN L. LARUE.

Pittsburgh, Pa.

DR. B. J. KENDALL CO.,
Enosburgh Falls, Vt.

Gents:—We have been giving the Prof. Flint's Condition Powders, according to directions, to our horses for about two weeks and the MARKED IMPROVEMENT in their CONDITION has been WONDERFUL. We have a horse that has been laid up for over three months with a very **Sore Leg** and he had gone down in every respect until we commenced using Flint's Powders. After giving them to him a few days he appeared so much improved that we have put him to work and he now acts and feels like a colt. We take pleasure in recommending the Powders to all horse owners, who wish to receive the value of the money invested in the speedy and permanent improvement of their stock.

Respectfully, JOHN WILSON & SON.

Amaganset, N. Y.

DR. B. J. KENDALL CO.,
Enosburgh Falls, Vt.

Dear Sirs:—I want you to send me 5 pounds, or packages, of your Prof. Flint's Renovating Powders for Cattle or Horses, more particularly for **Horses, for Cough** or **Heaves.** I have used them before and found them good.

Yours truly, MARCUS B. HAND.

Clear Forks, Va.

DR. B. J. KENDALL CO.,
Enosburgh Falls, Vt.

Gents:—Your Prof. Flint's Horse and Cattle Renovating Powders reached me March 2. They cured my horse and he is in good health. They are just what you recommend them to be.

Yours truly, JOHN W. SLADE.

Berlin, Pa.

DR. B. J. KENDALL CO.,

Gents:—I received a package of Prof. Flint's Renovating Powders from you a few weeks ago and used it according to directions, and it has cured my horse of a **Chronic Cough** where Pine tea and Oil of Tar and other medicines failed. If every person would know the value of your powders there would be many good horses saved from ruin.

Yours &c., JOSEPH H. HANGER

Monango, Dak.

DR. B. J. KENDALL CO.,
Enosburgh Falls, Vt.

Dear Sirs:—Having tested the merits of your Prof. Flint's Horse and Cattle Powders and not being able to obtain them here I enclose you $3 00 for which please send me one-half dozen pound packages. I have never been able to get any powders that would give as good satisfaction as they do

Yours truly, J. C. WILSON.

DR. B. J. KENDALL CO., Enosburg Falls, Vt., U. S. A.

FACTS TO BE CONSIDERED

ANNOUNCEMENT OF OUR CLAIMS

FOR ANIMALS we claim that KENDALL'S SPAVIN CURE will completely remove Bone Spavin, Ringbones, Splints, except in cases of well formed ossification, as stated in our "Important Directions" circular and TREATISE ON THE HORSE. It also removes Curbs and unnatural growths, including lameness caused by the above blemishes. Our treatment leaves the leg smooth and clean. We make this statement and give on the other side of this sheet testimonials from reliable parties in support of our assertion. It does not blister or cause any sore when directions are properly followed. For complete treatment see "Important Directions" sheet wrapped around the bottle.

It is with confidence that we recommend it for Spavin, Ringbone, Splint, Curb, Sprains, Galls, Callous, or enlargement of the joints. It is equally effective for removing swelling or lameness affecting any part of the body or limbs. It is also good for Sore Teats on Cows, Foot Rot in Cattle or Sheep, Scratches, Grease Heel, Thrush, Saddle Galls, Cuts, Wounds, Sores, Bruises and any other animal ailments requiring a remedial liniment.

FOR ANIMALS IT IS PUT UP IN LIGHT WRAPPERS. PRICE SINGLE BOTTLE $1.00 SIX FOR $5.00.

FOR HUMAN FLESH. Kendall's Spavin Cure has been expressly refined for use as a liniment in the human family. We recommend this remedy in cases of Rheumatism, Neuralgia, Corns, Bunions, Warts, Frost Bites, Felons, Chilblains, Burns, Sore Throat, Bruises, Cuts, also for any Pain or Lameness requiring a liniment of this kind.

For Family use put up in Red Wrappers. Price single bottle, 50 cents, 6 for $2.50. That put up for animals may be safely used on human flesh, if desired.

HISTORY

Previous to 1878 Kendall's Spavin Cure was practically unknown. Today, after a third of a century of success, there is hardly a town or small hamlet in any state or territory in the United States or the Dominion of Canada, where it is not kept on sale. From a small business, confined to a limited territory, it has now grown to be one of the leading business enterprises of its kind in this country, and has a growing foreign trade.

This Success Suggests
A FEW FACTS
Which Have Made Such Results Possible

Merit. It is an article of proved merit. It has been used with remarkable success for a third of a century. A business of such dimensions cannot be built up alone upon advertising, the goods must possess real merits to stand the test of time.

Drugs. The drugs used in its manufacture are costly, the best and absolutely pure. We believe in the policy of honest goods and for this reason have never lowered the high standard of excellence or changed in any degree the original formula to meet advanced cost of production. We have held steadily to maintaining the virtues of our preparations. When we cannot do this we will go out of business.

Treatment Recommended. The formula used in the preparation of our goods, and the treatment recommended in the "Important Directions" sheet and our "Treatise On The Horse" are the results of analysis and investigation. The benefit of all of this we have given our friends and patrons who have shown their appreciation of our medicines and methods of treatment.

"Treatise On The Horse" published by ourselves. This little hand book on the horse, for the non-professional and home treatment, we have compiled for the benefit of our patrons, affording them every known means for the most intelligent use of our Kendall's Spavin Cure and other preparations. Many millions of these have been published and are in use, attesting its great popularity and recognized merit. This book gives causes, symptoms and treatment for many ailments afflicting the horse. It has 96 pages and 65 illustrations. Ask your druggist for it, or mailed to any address free of charge.

DR. B. J. KENDALL CO. - Enosburg Falls, Vt., U. S. A.

(OVER)

KENDALL'S SPAVIN CURE

For Spavins, Ringbones, Splints, Curbs, and all forms of Lameness, bunches or bony enlargements. It does not blister or cause any sore when directions are followed. As a liniment for family use it is most excellent. Ask your druggist for **Kendall's Spavin Cure, also "A Treatise on the Horse"**, the book free, or address

DR. B. J. KENDALL CO.,
Enosburg, Falls Vt.

Price, Large size $1.00 per bottle 6 for $5.00.
" Small " .50 " " 6 " 2.50.
" Kendall's Blister .50 box 6 " 2.50.

Prof. Flint's CONDITION & RENOVATING **Powders**

Price Large size 50 cts. per lb. pkg. 5 for $2.25
" Small " 25 " " 1-2 " 5 for 1.15

For sale by all Druggists or sent upon receipt of price Postage or Express Prepaid.

CURES SPAVIN AND RINGBONE

Shawano, Wis. R. No. 2. April 6, 1911

DR. B. J. KENDALL CO.,

Gentlemen:—Please send me a copy of your TREATISE ON THE HORSE. **I have been using your Spavin Cure for years, for Spavin and Ringbone, and would not be without it, because it never failed.**

Yours truly,
Paul Martens.

CURES BAD CASE OF BONE SPAVIN. PERFECTLY SOUND AFTER TWO YEARS. CURES REHUMATISM.

Rothsville, Pa. March 7th, 1911.

DR. B. J. KENDALL CO.,

Dear Sirs:—Several years ago a good road mare developed a Bone Spavin. She was in the last stages and by no means fit for use when I got her. I began treating her with KENDALL'S SPAVIN CURE. She was given rest for about four months, and then put to moderate work. After two years of treatment with the SPAVIN CURE I found her perfectly sound and able to do service on the road as well as ever.

While treating this mare I could do very little on account of Rheumatism caused by an accident I had with a race horse. But, by the use of KENDALL'S SPAVIN CURE, I am cured of the ailments which had put me out of business for several years.

Very truly yours,
J. H. Bricker.

USED TWENTY-FIVE YEARS.

Straw Plains, Tenn. R. D. No. 2, Mar. 6, 1911.

DR. B. J. KENDALL CO.,

Dear Sirs:—**I have used your Spavin Cure for 25 years,** and find it the best to use on horses for any disease of bone or flesh for which it is recommended.

Yours respectfully,
W. J. McBee

C R SAVERY BAD CASE OF SPAVIN.

Glidden, Wis. March 6th, 1911.

DR. B. J. KENDALL CO.,

Dear Sirs:—I have been using your Kendall's Spavin Cure and have had the best of success with it. **I cured a very bad case of Spavin on one of my horses and cannot say too much in praise of it.**

Yours sincerely,
Louis Deringer.

USED 25 YEARS AND ALWAYS FOUND IT GOOD.

Marney, Man. Feb. 20, 1911.

DR. B. J. KENDALL CO.,

Dear Sirs:—Please send me your TREATISE ON THE HORSE. I have used your KENDALL'S SPAVIN CURE for **25 years, and always found it good.**

Yours truly,
David Waddell.

CURES SPAVIN.

Center Point, Ind. Feb. 4, 1911.

DR. B. J. KENDALL CO.,

Gentlemen:—Please send me a copy of your TREATISE ON THE HORSE. I have used Kendall's Spavin Cure for five years, and **find it a cure for Spavin.**

Yours truly,
R. A. Boyce.

SAFE AND RELIABLE CURE FOR SPAVINS, RINGBONES, ETC.

Spokane, Wash. R. F. D, No. 2, Box 55. January 8, 1911.

DR. B. J. KENDALL CO.,

Gentlemen:—Please send me a copy of your TREATISE ON THE HORSE. **I have used your Spavin Cure for several years and find it a safe and reliable cure for Spavins, Ring and Side Bones, etc.**

Yours truly,
R. P. McBride.

CURES BONE SPAVIN COMPLETELY.

Findlay, Ohio. 1016 Broad Ave.
Nov. 25, 1910

DR. B. J. KENDALL CO.,

Gentlemen:—**I have used three bottles of your Spavin Cure on a bone spavin and it has made a complete cure after others have failed.** The Spavin was on a young mare worth $250 and you would not know that she had ever had a spavin. Hoping that others may be as successful in the use of your medicines as I have been, I remain,

Very truly yours,
J. W. Hammell.

USED 35 YEARS.

Waterloo, Que. Box 60, Nov. 18, 1910.

DR. B. J. KENDALL CO.,

Dear Sirs:—I have known and used Kendall's Spavin Cure for **about 35 years.** I have **always found it the best liniment for me and my beasts.**

Very respectfully yours,
Frank L. Girard.

USED THREE YEARS. SAFE CURE.

Hunt Ark., Nov. 16, 1910.

DR. B. J. KENDALL CO.,

Gentlemen:—**I have used your Spavin Cure for three years and find it a safe cure. Please send me your free** copy A TREATISE ON THE HORSE.

Yours truly,
H. G. Isaach.

USED TWENTY YEARS.

Bridgeport, Conn. June 17, 1910.

DR. B. J. KENDALL CO.,

Gentlemen:—**I have been using Kendall's Spavin Cure for the past twenty years and find it the best liniment that I have ever used.**

Yours truly,
W. C. Wheeler.

USED TWENTY YEARS, IS O. K.

Lone Oak, Texas, June 13, 1910.

DR. B. J. KENDALL CO.,

Gentlemen:—Please send me your TREATISE ON THE HORSE. **I have used your medicine for nearly twenty years and it is all O. K.**

Yours truly,
T. A. Atkisson

USED TEN YEARS. SAFE AND RELIABLE.

Denison, Sask. June 3, 1910.

DR. B. J. KENDALL CO.,

Gentlemen:—I have been using Kendall's Spavin Cure for the past **ten years,** and have always found it to be **safe and reliable and the best liniment,** for either man or beast, that I could obtain.

Yours truly,
Wm. J. Shannon.

USED FIFTEEN YEARS AROUND STABLE AND HOUSE.

Dubuc, Sask. May 30, 1910.

DR. B. J. KENDALL CO.,

Dear Sirs:—**I have used your Spavin Cure for fifteen years and find it the best liniment either around the house or stable that I have ever used.**

Richard Ruller.
(Box 118.)

CURES SPAVIN.

Jordan Falls, N. S. May 30, 1910.

DR. B. J. KENDALL CO.,

Gentlemen:—Kindly send me your TREATISE ON THE HORSE. Your Spavin Cure is fine. **I have completely cured a mare which was spavined and lame in both hind legs.**

Yours truly,
Arnold Covey.

SAFE AND RELIABLE.

Delphi, Ind. March 15, 1910.

DR. B. J. KENDALL CO.,

Dear Sirs:—Will you please mail to my address a copy of your TREATISE ON THE HORSE. **I have been using your valuable remedies for about fifteen years, and found them safe and reliable.**

Respectfully yours,
D. C. Mitchell.

INVESTMENT OF $3.00 PROFITS THIS MAN $40.00. CURES BONE SPAVIN.

Beech Grove, Tenn. April 9, 1910.

DR. B. J. KENDALL CO.,

Dear Sirs:—I have used your medicines in the past. **I cured a Mule of Bone Spavin and Shoulder lameness with your Spavin Cure.** It took three one dollar bottles to perfect a cure. I gave $60.00 for the Mule, and after I cured him sold him to the man I bought him of for $100.00.

Respectfully yours,
A. M. Jeringan.

CURES SPAVIN OF LONG STANDING.

Salem, Mo. April 2, 1910.

DR. B. J. KENDALL CO.,

Dear Sirs:—Please send me copy of your TREATISE ON THE HORSE. **I have been using your Spavin Cure and cured a Spavin of long standing with one bottle.**

Yours respectfully,
Harry McCall.

A FEW APPLICATIONS WORTH $25.00 TO THIS MAN.

New Hope, Ala. Sept. 7, 1910.

DR. B. J. KENDALL CO.,

Dear Sirs:—I am a great believer in KENDALL'S SPAVIN CURE. A few applications has just taken an unnatural growth off the back of my horse, thereby increasing his value at least $25.00.

Respectfully,
J. J. Sandlin.

SATISFACTORY CURE FOR SPAVINS.

Oshkosh, Wis. May 28, 1911.

DR. B. J. KENDALL CO.,

Dear Sirs:—**I have used your Spavin Cure for three years, and find it to be a satisfactory cure for Spavins.**

Yours truly,
Byron Gunz

The above unsolicited testimonials are on file in our office for inspection. A complete price list of our remedies may be found on page 96 of our Treatise on the Horse. For a copy of this book, or any further information, please address.

DR. B. J. KENDALL CO., - - - - - Enosburg Falls, Vt., U. S. A.

(See other side.)

KENDALL'S SPAVIN CURE

What some of our patrons say of it.

Any one doubting the genuiness of any of the following recommendations is earnestly requested to correspond with the parties themselves, and if a two cent stamp is enclosed it should bring a reply.

USED THIRTY YEARS, AND SAYS HE POSTIVELY KNOWS IT WILL DO ALL THAT IS CLAIMED.

Maryville, Mo., Dec 18, 1912

DR. B. J. KENDALL CO. Enosburg Falls, Vt —Dear Sirs: I have used Kendall's Spavin Cure for over thirty years, and positively know it will do all that you claim. I have used it for broken bones, sprains and rheumatism on myself, and keep it constantly on hand for my horses. Would not be without it.

R No 2 H 65 Very truly yours, J. P. HERYFORD.

USED THIRTY YEARS, AND HE THINKS NOTHING EQUAL TO IT FOR LAMENESS IN HORSES.

Silverton, Colo., Dec 16, 1912

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Since using your remedy for 30 years, I must say that I think there is nothing equal to KENDALL'S SPAVIN CURE when it comes to doctoring for lameness in horses.

Very truly yours, W. N. SISSON.

THIS MAN SAYS—HAVE USED FOUR YEARS AND FIND IT A SAFE AND SPEEDY CURE.

New Weston, Ohio, Feb. 18, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have been using your Spavin Cure for four years, and find it a safe and speedy cure.

Yours truly, WM. WHITTINGTON.

THIS MAN THINKS KENDALL'S "ALMOST MARVELOUS."

Albany, Prince Edward Island.
Feb. 25, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have used your Spavin Cure for horses and think it almost marvelous.

Yours truly, MARTIN McINNIS.

CONSTANT USER OF KENDALL'S FOR ELEVEN YEARS—GREAT FAITH IN IT.

El Varadero, Cateacao Cavite,
Phillipines, March 2, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: Since July, 1902, I have been a constant user of your Kendall's Spavin Cure, and I have great faith in it. I myself am never without it in my stables. Yours sincerely,

CHAS. H. W. AITKEN
Supt. Engineer.

USED TWELVE YEARS—SAYS FINDS IT BEST LINIMENT WITHIN HIS EXPERIENCE.

Mt. Olive, Miss., R. F. D. No. 1,
Oct. 5, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: I have been using Kendall's Spavin Cure for twelve years, and find to to be the best liniment within my experience. Yours truly, J. H. LEE.

USED SEVERAL YEARS—SAYS NEVER FAILED IN TIME OF NEED.

Las Cruses N. Mex. Oct. 15, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Enclosed please find stamps for which send me your book TREATISE ON THE HORSE. I have used your Spavin Cure for several years and it has never failed me in time of need.

Yours very truly, ALEX. WERSONICK.

THINKS KENDALL'S O. K. FOR WHAT IS CLAIMED FOR IT.

Ione, Calif., Dec. 16, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I think that your Spavin Cure is O. K. for what you claim for it.

Yours truly, C. R. ASHTON.

USED KENDALL'S WITH GOOD RESULTS ON LONG STANDING CASES.

Vandyne, Alta., Can., Feb. 3, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Enclosed find stamp for which I desire a copy of your TREATISE ON THE HORSE AND HIS DISEASES. I have used your Spavin Cure with good results on cases of long standing swelling and lameness. I always keep a bottle on hand, and find it never fails in cases of recent sprains.

Yours truly, F. W. Phillips.

USED TWENTY YEARS—HIGHLY RECOMMENDED.

New Britain,Conn., Feb. 3, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: We wish to inform you that we have used your remedies quite extensively for over twenty years, besides highly recommending them to others who found them satisfactory.

Very truly, J. E. AVERY & SON.

USED TWENTY YEARS—FINDS SATISFACTORY IN EVERY RESPECT.

Helland, Sask., Can., Feb. 4, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have been a patron of your remedies for twenty years, and find them satisfactory in every respect.

Sincerely yours, JAS. FELKER.

CURES RINGBONE AND SPAVIN.

Rossduff, Sask., Canada., March 23, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I am using your Spavin Cure, and my horse is doing fine. I cured a ringbone and a spavin in a short time. I like t fine.

Yours truly, G. A. DUNN.

SAYS, "CONSTANT USER" OF KENDALL'S—AND CAN FIND NO BETTER MEDICINE OF ITS KIND FOR HORSES.

Fort Saskatchewan, Alberta, Can., Jan. 24, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Please send me your book TREATISE ON THE HORSE, as I cannot get one in the above town. I have been a constant user of Spavin Cure, and can find no better medicine of its kind for horses.

Yours truly, E. C. AUBUSSON.

CURES SPLINT—SAYS WILL DO ALL THAT IS CLAIMED.

Rogersville, Ala., Jan. 24, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: I ordered a dollar bottle of your Spavin Cure several years ago to use for a splint, and before it was half gone the splint was gone, and no sign can be seen where it was. The mule's leg is as smooth as the other. It beats anything I ever tried. I know that it will do just what you claim it will. I remain as ever. Your friend, T. P. KING.

FINDS ALL THAT IS RECOMMENDED—HIGHLY PLEASED WITH RESULTS.

Deep Water, W. Va., Feb. 15, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Please send me your book TREATISE ON THE HORSE. I have used several bottles of your Spavin Cure and find it to be all that it is recommended to be. I am highly pleased with the success have had with its use. Wishing you success, I remain.

Yours truly, B. G. RADFORD.

REMOVES BIG LUMP FROM SIDE OF MULE.

Germantown, Md., Feb. 12, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have used a bottle of your Spavin Cure on a mule and removed a big lump from his side caused by the traces rubbing his side. This lump formed about as big as a half gallon bucket. I will never be without a bottle of this medicine in my stable. Please send me a book TREATISE ON THE HORSE AND HIS DISEASES.

Yours respectfully, J. L. WHIPPS.

VETERINARY ENDORSES KENDALL'S—SAYS WILL DO ALL THAT IS CLAIMED.

Sand-Patch, Pa., Route No. 2,
March 19, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I am devoting a good part of my time in the study and practice of veterinary, and through experience find your remedies an excellent standby. They do as they are claimed and more, and I always recommend your remedies to my people, not because your name is similar, but because of the merits of your medicine.

Yours very truly, JNO. L. KENDALL.

USED THREE YEARS—CURES THOROUGHPIN.

St. Anne, Ill., R. F. D. No. 3.
March 8, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have been using Kendall's Spavin Cure for three years and like it very well. We had a black mare last summer that had a thoroughpin, and I kept following your directions for using Spavin Cure for about three months, and we sold the mare for $280.00. It never showed that she had ever had anything of the kind. Truly yours, GEORGE WAMBA.

KENDALL'S HAS NEVER FAILED THIS MAN.

Napoleon, N. Dak., April 3, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Please send me a copy of your TREATISE ON THE HORSE. I have been using your Spavin Cure for years for spavin, and would not be without it because it never failed me.

Yours truly, JOHN M. SPERLE.

USED OUR REMEDY FOR YEARS—THINKS OUR TREATISE WORTH $25.00.

Hyattsville, Md., April 2, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: Having for years used your valuable liniment Spavin Cure, I would request that you have the kindness to send me your TREATISE ON THE HORSE. My old book is completely worn out after years of usage. I paid 25c. for it and it is well worth that many dollars.

Yours truly, A. W. ANDERSON.

FINDS KENDALL'S REMEDIES OF GREAT VALUE.

Paterson, N. J., R. F. D. No. 1.
March 17, 1913.

DR. B. J. KENDALL CO.,Enosburg Falls, Vt. Gentlemen: Both my father and my self have always found your book as well as remedies of great value in keeping horses in condition. Thanking you for the benefit derived from their use, I am,

Yours truly, GEO. E. WELLER.

USED TEN YEARS—FINDS JUST AS RECOMMENDED.

Bear Lake, Mich., R. No. 1, Box 64,
Jan. 10, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: I have used your medicine for the past ten years, and find it just as it is recommended.

Very truly yours, MR. HERBERT ORORKE.

KENDALL'S TREATISE ON THE HORSE GIVES MORE SATISFACTION TO THIS MAN THAN A $5.00 VETERINARY BOOK.

Fraser Mills, B. C.Can., Feb. 20, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Would you kindly send me one of your horse books. I have a Veterinary book which I paid $5.00 for, but I believe I can get more satisfaction out of Kendall's Treatise on the Horse.

I have charge of a bunch of horses here and I use KENDALL'S SPAVIN CURE with good results in many different cases. I gave the book you sent me before to another barn boss.

Hoping to hear from you soon, I am, Yours truly, JAMES M. THOMPSON.

THIS MAN SAYS—"WORKED WONDERS ON THOROUGHPIN."

West Fork, Indiana.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Enclosed herewith please find stamps for which send me a copy of your Treatise on the Horse and his diseases. I have tried your KENDALL'S SPAVIN CURE for Thoroughpin, and it worked wonders. It is all you claim.

Respectfully yours, EMORY BROWN.

CURES SPLINTS.

Nevada, Iowa, March 4, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Please send me your Treatise on the Horse. I have used KENDALL'S SPAVIN CURE on a splint with great success. Yours respectfully, C. B. CARTER.

HAS NEVER KNOWN KENDALL'S TO FAIL.

New Alexandria, Ohio, Sept. 3, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Having used your SPAVIN CURE on different horses and never knowing it to fail, I take the liberty to ask you for a free book, The Treatise on the Horse. It seems I cannot get it here. Kindly oblige.

Yours truly, E. W. PHIPPS.

CURED RHEUMATISM OF TWO YEAR'S STANDING.

Indianapolis, Ind., March 25, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Please send me a copy of your Treatise on the Horse. Several of the leading druggists here have none for distributing. I am using your SPAVIN CURE on a mare for what seems to be a sprain of the Patella or stiff joint. Hope the book will help me to locate the real trouble. One bottle of the Human Flesh strength cured me of Rheumatism of two years' standing in both arms, and after treatment from several doctors.

R. F. D. No. 19. Respectfully yours, W. T. HOWARD.

USED TEN YEARS—SAYS "FIND IT THE BEST ON THE MARKET."

Hornick, Iowa, R. F. D. No. 2.
April 13, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: I have been a user of your SPAVIN CURE for ten years, and find it the best on the market today. Will you please send me a copy of your Treatise on the Horse in the English and German language.

Very truly yours, NIC. PETERSON.

FINDS KENDALL'S AS CLAIMED—SAFE AND RELIABLE.

Chippewa Falls, Wis., April 18, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: I have been a user of your SPAVIN CURE and find it just what you say. I always find it safe and reliable. Would be pleased if you would mail me a copy of your Treatise on the Horse.

Yours truly, ALWIN EMERSON.

USED THREE YEARS—FOUND SAFE AND RELIABLE.

Donald, W. Va., April 3rd. 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Will you please mail to my address a copy of your Treatise on the Horse. I have been using your remedies for about three years, and found them safe and reliable.

Yours truly, J. W. STOWERS.

FINDS KENDALL'S A SAFE CURE.

Aberfoyle, Ont., May 15, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Enclosed find two cent stamp for which please send me a copy of your Treatise on the Horse. I have used KENDALL'S SPAVIN CURE and find it a safe cure.

Yours truly, JOHN McKAY.

CURES FELON WHEN USED IN TIME.

Pearce, Arizona, April 17, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Please forward me your Treatise on the Horse. I have used your SPAVIN CURE for years, and I would guarantee it to knock any case of felon if used in time.

Respectfully yours. W. H. BOOTS

NEVER FAILED THIS MAN—CURES SPAVIN AND MAKES $135.00 PROFIT.

Niagara, N. Dak., R. F. D. No. 2.
March 28, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have used a lot of your Spavin Cure and not one case has ever failed. I bought one horse that had a Spavin for $15.00 I sent for some of your Spavin Cure. I cured him and sold him for $150.00. I call that good profit.

Respectfully. BENNIE BERG

THINKS FLINT'S CONDITION POWDERS ALL THAT IS CLAIMED.

419½ Milam St., Houston, Texas,
March 24, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Enclosed you will find 2c in stamps for your valuable book TREATISE ON THE HORSE. I have used your Condition Powders, and find them all you claim for them.

Yours truly, CHAS. A. JACKSON.
Physician and Surgeon.

USED 30 YEARS AND FINDS JUST AS RECOMMENDED.

Coeur d' Alene, Idaho, Box 826,
April 21, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Please mail me a copy of your TREATISE ON THE HORSE. I have been using your Spavin Cure for thirty years and find it to be just as you recommend.

Yours truly, H. C. TAYLOR.

USED KENDALL'S 25 YEARS WITH GOOD RESULTS.

Weippe, Idaho, Box 25,
Jan. 28, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Friends: I have received twenty-five years of grand results from the use of your Spavin Cure, and I thought I would subscribe to this fact. My address after March 17th will be 24 Littell Avenue, Buffalo, New New York. Yours truly, ANDREW PETERSON.

USED KENDALL'S GOOD MANY YEARS—ALWAYS WITH GOOD SUCCESS.

Milbury, Mass., Feb. 7, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have been using your Spavin Cure for a good many years, and have always had good success with it.

H. W. Carter Stock Farm. Yours truly, NELSON T. GRAVEL.

USED FOUR YEARS—ONLY CURE HE HAS FOUND FOR BONY GROWTHS.

No. 1 Mason St., Northcote,
Victoria, Australia, April 12, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt. U. S. A.—Dear Sirs: I saw one of your books the other day. "A TREATISE ON THE HORSE AND HIS DISEASES." I would like you to send me one along to the above address, I have used your Kendall's Spavin Cure for the last three years and can honestly say that it is the only cure I have found for bony growths on horses. I bought a 4 year old mare of a man, she was so lame that she was useless for work through a spavin. I treated her for two months with Kendall's Spavin Cure, and put her right back to work and now she has been working twelve months with out a s i gn of lameness. Yours very truly, E. WYNNE.

USED ON BONE SPAVIN—SAYS CANNOT BE WITHOUT IT NOW.

Bristol Center, N. Y. R. No. 1.
Feb. 24, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: Please send me a copy of your TREATISE ON THE HORSE. I have been using your Spavin Cure for Bog Spavin and would not be without it now. Yours truly, FRANK W. ROWLEY.

KNOWN AND USED KENDALL'S 15 YEARS AND FINDS O. K.

Harpers Ferry, Iowa, R. No. 2.
Jan. 29,

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: I have known your remedies for the past 15 years, and found them all O. K. for the things recommended.

Very truly yours, JOHN F. BEUTLER.

USED 10 YEARS. BEST EVER HAD.

New Glarus, Wis. April 29, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Enclosed find 2c in stamp for which kindly send us a copy of your TREATISE ON THE HORSE AND HIS DISEASES. We have used Kendall's Spavin Cure for 10 years and is the best we ever had.

Yours truly, E. H. DUERST.

USED FIVE YEARS. FINDS ALL RIGHT.

Cambria, Wis. R. F. D. No. 2.
April 29, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: Please send me your TREATISE ON THE HORSE. I have used your medicine for five years and find it all right.

Yours truly, L. H. MILLER.

SAYS, "NEVER FAILS."

Pueblo, Colorado. April 30, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: I have been using your Spavin Cure for years and find it O. K. because it never fails. I would like your free TREATISE, horse book, and I would like to know the best stimulant for trotting horses and how to make it.

Very truly, JOHN SMITH.
201 West Northern St.

USED 5 YEARS. ALWAYS FOUND GOOD.

Rural Home, Va., April 15, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: Please send me a copy of your TREATISE ON THE HORSE. I have used your Kendall's Spavin Cure for five years and always found it good. Yours truly, REECE P. JONES.

3 GENERATIONS USING KENDALL'S.

Route 1, Box No. 48, West Olive, Mich.
May 1, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: Please send me a copy of your book, "TREATISE ON THE HORSE." We have used Kendall's Spavin Cure for years. My grandfather, my father, and myself have used it.

Yours truly, RALPH D. SMITH.

USED FOR YEARS. FINDS JUST WHAT WE SAY.

Pocahontas, Alta. Canada.
May 8, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have been a user of your Spavin Cure for years and find just what you say. Would be pleased if you would mail me a copy of your TREATISE ON THE HORSE AND HIS DISEASES.

Yours truly, DAVID GAUVIN.

REMOVES ENLARGEMENTS OF ABOUT TWO YEAR'S STANDING.

Hinton, Va., May 17, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: I had a nice mare 10 years old. A lump came at the knee rather in front, on front leg about the size of half an egg, and then one came just above the knee on the leader about the same size. I consulted three veterinaries, one said he could take it off but his blister did not do it any good; the other two advised me to let it go. It did not lame her. I read about your Spavin Cure and got to using it. The bunches began to go down. I used 1½ bottles and it is all gone. It was on there something like two years still getting larger. My friends that saw it before I used the Spavin Cure were surprised to see it gone. It's worth $50.00 to me. The mare I know will bring fifty dollars more. You can use this testimonial if you wish to. Please send me a copy of you TREATISE ON THE HORSE.

Yours truly, CHAS. E. RITCHIE.

THIS MAN THINKS KENDALL'S BEST ON THE MARKET.

Marengo, Sask. Canada. Box 23.
May 9, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have been using your Spavin Cure and find it is the best on the market.

Yours truly, N. W. STEWART.

USED 8 YEARS—FINDS O. K.

Teulon, Man. Canada. Aug. 19, 1912.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.—Dear Sirs: I have been a user of your Spavin Cure for 8 years and find it all right. Would be pleased if you would mail me a copy of your TREATISE ON THE HORSE AND HIS DISEASES.

Yours truly, B. HANSON.

Prof. Flint's Condition Powders.

THINKS FLINT'S CONDITION POWDERS ALL THAT IS CLAIMED.

419½ Milam St., Houston, Texas March 24, 1913.

Dr. B. J. Kendall Co., Enosburg Falls, Vt.

Gentlemen:—Enclosed you will find 2c in stamps for your valuable book TREATISE ON THE HORSE. **I have used your Condition Powders and find them all you claim for them.**

Yours truly, CHAS. A. JACKSON

FLINT'S POWDERS PUT HIS HORSE IN GOOD CONDITION.

Bailey's Bay, Bermuda, Jan. 23, '11.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Dear Sirs:—I would be very grateful if you would mail me a copy of your TREATISE ON THE HORSE. **I have been using Prof. Flint's Powders, and find all you say in regard to them to be true. They have put my horse in good condition.**

Yours truly, F. FEREIRA.

KENDALL'S SPAVIN CURE & PROF. FLINT'S POWDERS USED 20 YEARS—BEST OF RESULTS.

Attica, Ohio, Set. 23, 1908.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Gentlemen:—Please send me a copy of your TREATISE ON THE HORSE AND HIS DISEASES. **I have used Kendall's Spavin Cure, also Prof. Flint's Powders for the past twenty years with the best of results.**

Yours truly, MYRON H. CASEY.

SAYS—FLINT'S POWDERS CURED COUGH OF THREE YEARS STANDING

DeKalb, Texas, Oct. 29, 1907.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.,

Dear Sirs:—I wish to tell you that your **Flint's Stock Powder has cured my horse of a bad cough of three years standing. I am glad** that I have become acquainted with your medicine.

Very respectfully yours, J. T. ELLISON

FLINT'S POWDERS RELIEVE BAD COUGH.

Dunn. N. C. June 11, 1907.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Gentlemen:—I enclose a stamp for which please send me your book TREATISE ON THE HORSE AND HIS DISEASES. My mule had lung fever and it left her with a bad cough. **I purchased a package of Prof Flint's Renovating Powders and it cured her**

Very truly yours, G. E. ALLEN.

RECOMMENDS PROF. FLINT'S POWDERS.

Selving, O., Aug. 23, '06.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.,

Gentlemen:—I have used your liniment for 25 years but I never used the Powders until last fall. **You sent me one package for my mare and I must admit that I never saw anything work so well.** She had a cough for six months and I am a horseman and could not get anything to touch it until I got your Powders. She has never coughed since. **I will recommend them to all as I know they are good.**

Respectfully yours, D. WATTS.

HAS USED FLINT'S POWDERS LONG TIME.

Washington, D. C. 1312 22nd St. Nov. 24, '07.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Dear Sirs:—Enclosed find a two cent stamp for which please send me your Treatise on the Horse and his Diseases. Have used Prof. Flint's Horse and Cattle Powders for a long time; my horse has not had any other medicine in seven years; he works Winters and Summers every day with the exception of Sunday. I always keep a box or two of your Powders in my stable.

Yours truly, F. J. PLANT.

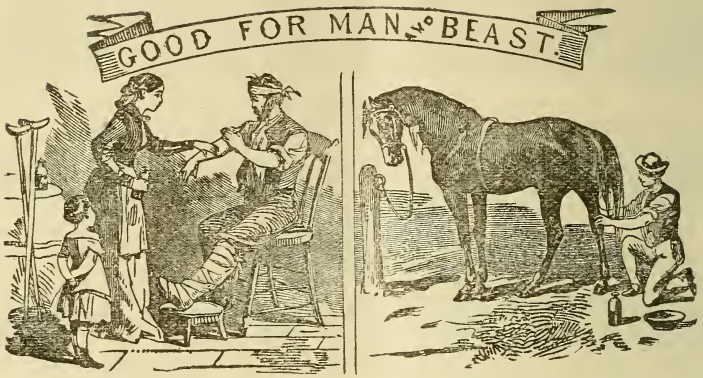
FINDS FLINT'S POWDERS O. K.

Randolph, N. Y. Jan. 20. 1908.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Dear Sirs:—I have been using Prof. Flint's Horse and Cattle Renovating Powders and **find them O. K. for everything that you claim. They make the horse feel good and give a nice glossy coat.**

Yours respectfully, JOHN HALE.



It has long been the opinion of eminent scientists, who have made the realm of nature the study of a lifetime, that the horse is our noblest domestic animal, perfect in structure, beautiful in appearance, and exhibiting a large amount of intelligence, and whose physical nature closely resembles that of the human family, thus showing that the cause and effects of diseases may be quite similar to diseases in the human subject: therefore we would naturally infer that any remedy which is good for either man or beast would be equally as good for one as the other under similar circumstances.

Knowing this to be the case, and after hearing repeatedly from parties who had used "Kendall's Spavin Cure" with the most gratifying results, for lameness or deep seated pain on their own persons, we began to use it ourselves on human flesh, and after using it for a number of years for bruises, cuts, corns, frost-bites, burns, sprains, rheumatism and lameness; also using on children from one or two years of age to men of mature years without ever seeing the slightest injury from using it full strength, but seeing always the most marked and beneficial results, we were led to recommend it, with much confidence as the best liniment within our knowledge for any lameness or deep seated pain in man requiring an article of this kind.

It does not always take immediate effect, and there may not be any perceptible results for one or two weeks; but while it may be slow in its effects in some cases, we are confident of final success if followed up according to directions.

In using it for any difficulty of long standing, it should be applied for a long time, as such troubles cannot be removed in a short time. It can be applied with a feather, with a small swab, or with the hand, and by applying two or three times a day for several days it will usually cause the skin to be a little sore on man, and we recommend for all long standing difficulties, it be applied after it becomes sore just the same as before, until the trouble is removed. Only a little is necessary at each application.

KENDALL'S SPAVIN CURE.

READ BELOW OF ITS BENEFICIAL RESULTS AS A LINIMENT FOR THE HUMAN FAMILY.

ON HAND NEARLY ALL THE TIME. GOOD FOR MAN AND BEAST.

Pana, Ont., December 23, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Gentlemen:—Please send me your book TREATISE ON THE HORSE. I had one but it is getting badly racked. We keep a bottle of your Spavin Cure in the house nearly all the time and find it good for man and beast.

Yours truly, HUGH PADEN.

USED 25 YEARS WITH VERY SATISFACTORY RESULTS FOR MAN AND BEAST.

Otto, Wyoming, Jan. 19, 1914.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Gentlemen:—Please send me a copy of your book TREATISE ON THE HORSE AND HIS DISEASES. I have used your Spavin Cure for the last 25 years and can recommend it as the best liniment I ever used on anything, horses or person.

Yours truly, GEO. W. MATTOX.

USEFUL FOR MAN AND BEAST.

Chinook, Mont. Jan. 22, 1914.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Gentlemen:—Enclosed find a two cent stamp for which please send me your "Treatise on the Horse and his Diseases". I would never be without your Spavin Cure as I not only find it useful for the horses but a grand medicine for the household also. Thanking you in advance, I am,

Yours very truly, S. O. CHOSE.

A GREAT BELIEVER IN KENDALL'S FOR MAN AND BEAST.

Riding Mountain, Man., Canada.
Jan. 5, 1914.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Gentlemen:—I am a great believer and user of your KENDALL'S SPAVIN CURE for man and beast.

Yours respectfully, CHAS. C. FOX.

FINDS MOST SATISFACTORY FOR MAN AND BEAST.

Pleasant Grove, Utah., Aug. 14, 1913

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Gentlemen:—Please send me a copy of your book TREATISE ON THE HORSE. I have used your Spavin Cure and find it most satisfactory for man and beast.

Yours truly, AUGUST SCHRODER.

PROMPT RELIEF FOR SORE THROAT.

Majestic Threatre, Denver, Colo.

DR. B. J. KENDALL CO.—Gentlemen: Just a line to let you know the value of your Spavin Cure. As you will see by my letterhead, I am in the theatrical profession, and depend upon my throat for my living. I have found Spavin Cure invaluable to me in cases of sore throat. Whenever I feel the slightest soreness, I give my throat a good rubbing with the Cure when I retire, and put on a dry bandage. In the morning the soreness is almost gone, and it always disappears within three applications. I find it impossible to reach the vocal cords with any kind of gargle, but the Spavin Cure does the trick from the outside. I first discovered its value in Australia where my father uses it on his horses. Once when I was suffering with sore throat, he suggested giving it a trial, and the result is that I never travel without it now. I have recommended it to a number of the profession, and they are delighted with it. Make any use of this letter that you wish. I always use the animal size Spavin Cure.

Wishing you a long continuation of your great success, I remain.

Thankfully yours,

GEORGE S. LAUDER.
Australia's Foremost Ventriloquist.

Permanent address:
"The Billboard."
San Francisco, Calif.

KENDALL'S SPAVIN CURE.

The excellent success which has been achieved by this remedy encouraged the proprietors to refine it expressly for the human flesh. No remedy within our knowledge has ever given better satisfaction. Many have found it to be sufficiently strong to penetrate and have real virtue to relieve severe cases of rheumatism, neuralgia, corns bunions, warts, frost-bites, felons, chilblains, burns, or any pain, bruise, cut or lameness, which are not affected by milder liniments. It does not blister, but on the contrary removes soreness. For horses and other animals, we recommend our patrons to use that put up in light wrappers, retail price $1.00. For man, use that put up in red wrappers, retail price 50 cents. If desired that put up for horses can be used on human flesh with perfect safety.

Directions.—*Keep the bottle well corked.* Do not apply near the fire or any flame. *For rheumatism or neuralgia* apply to the affected part three or four times a day, and protect the part from the cold. Continue its use for several days, or weeks if necessary, until considerable irritation of the skin is produced, and in bad cases of long standing continue to apply it for several days after the skin becomes irritated sufficiently to cause considerable smarting at each application.

For sprains, swelling, burns, bruises, frost-bites, chilblains, corns, felons, bunions, back ache, headache, toothache, sore throat, or for any soreness of the chest, quinsy, lameness or pain caused by any mishap, we recommend to apply this liniment to the affected part two or three times a day, or oftener if necessary.

That put up for horses can be used on human flesh, if desired, with perfect safety.

BEST HE KNOWS OF FOR RHEUMATISM.

Atwood, Ont. Jan 27th. 1910.

DR. B. J. KENDALL CO.—Gentlemen: Kindly send me your TREATISE ON THE HORSE. I have used Spavin Cure and consider it the best medicine I know of for Rheumatism. Yours truly, THOMAS JOHNSON.

SPAVIN CURE RELIEVES CRIPPLE OF TEN YEARS.

Lehighton, Pa. Dec. 9, 1909.

DR. B. J. KENDALL CO.—Gentlemen: Few but very important words of praise. I have used your Spavin Cure medicine and it has taken me off two crutches. I walked on crutches for ten years until I used your Spavin Cure.

Very truly yours, ROBERT M. KRUM.

SAYS NOTHING LIKE IT IN HIS FAMILY. CURES PILES.

1096 S. Broad St., Galesburg, Ill. Oct. 18th, 1910.

DR. B. J. KENDALL CO.—Gentlemen: Have been using your remedy successfully for years on horses and in my family. There is nothing like it. I can recommend it very highly as a cure for Piles in their worst form. Everything else failed until I used Spavin Cure, and it cured me.

Yours respectfully, J. A. BUTLER.

USED WITH GOOD SUCCESS FOR SCIATICA.

Glendale, Cal., May 6, 1913.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Gentlemen:—As I am using Kendall's Spavin Cure with great success on myself for Sciatic trouble I woul thank you very much for your TREATISE ON THE HORSE.

Yours truly, C. J. HAEG.

USED WITH GOOD RESULTS. THINKS NOTHING BETTER AS LINIMENT FOR MAN OR BEAST.

Dundas, Ont., Feb. 7, 1914.

DR. B. J. KENDALL CO., Enosburg Falls, Vt.

Dear Sirs:—I have used your valuable remedy Kendall's Spavin Cure for splints, with good results, and find nothing better as a liniment for man or beast. Kindly send book to the above address and oblige.

JOHN J. HAYES.

Wholesale Distributing Agents

FOR

Kendall's Spavin Cure, Kendall's Blister, and Prof. Flint's Horse and Cattle Condition and Renovating Powders.

We give below a list of our Wholesale Distributing Agents for the above articles. These preparations are now sold by all the principal Wholesale and Retail Druggists throughout the United States and Canada. If your Druggist does not keep them and will not get them for you, send direct to Dr. B. J. Kendall Co., Enosburg Falls, Vt., and they will send on receipt of price (see price list on page 96) to any address by mail.

In sending orders direct to us it is best usually to send Bank Draft, P. O. Money Order or Registered letter for the amount wanted, with full shipping directions, and the order will receive prompt attention. To all who would investigate to know if we are responsible for any money which might be sent to us, we would refer to the following well known firms:—

WELLS & RICHARDSON CO., Burlington, Vt.
EASTERN DRUG CO., Boston, Mass.
JAMES A. WEBB & SON, New York City.
ENOSBURG FALLS SAVINGS BANK & TRUST CO., Enosburg Falls, Vt.

ALABAMA.

BIRMINGHAM, Doster Northington Drug Co.
MOBILE.....Mobile Drug Co.
MONTGOMERY.....Greil Bros. Co.
" .....Durr Drug Co.
SELMA.....Cawthon-Coleman Co.

ARKANSAS.

FORT SMITH..Morris-Morton Drug Co.
" " .....John Schaap.
LITTLE ROCK.....Lincoln Co. C. J.

CALIFORNIA.

LOS ANGELES..Western Wholesale Drug Co.
" " ....Brunswig Drug Co.
SACRAMENTO.....Kirk, Geary & Co.
SAN FRANCISCO, Langley & Michaels Co.
" " .....Owl Drug Co.
" " Coffin, Redington & Co.

COLORADO.

COLORADO SPRINGS, Hefley-Arcularius Drug Co.
DENVER....Davis-Bridaham Drug Co.
" .....Hover & Co. W. A.
PUEBLO....Pueblo Wholesale Drug Co.

CONNECTICUT.

HARTFORD.....Sisson Drug Co.
" .....Talcott & Co., C. H.
" ....Williams & Carleton Co.
NEW HAVEN...Whittlesey & Co., C. W.
" " .....Leete & Co., C. S.
NORWICH.....Lee & Osgood Co.
WATERBURY, ...Apothecaries Hall Co.

DELAWARE.

WILMINGTON.....Danforth, N. B.

DISTRICT OF COLUMBIA.

WASHINGTON.....Tschifelly, F. A.

FLORIDA.

JACKSONVILLE, Groover-Stewart Drug Co.
" Southern Manufacturing Co.
TAMPA.....Tampa Drug Co.
PENSACOLA.....Lewis-Bear Drug Co.

GEORGIA.

ATLANTA..Lamar & Rankin Drug Co.
" .....Daniel, J. B.
" .....Jacobs Phar. Co.
AUGUSTA.....Augusta Drug Co.
COLUMBUS....Brannon & Carson Co.
MACON..Lamar, Taylor & Riley Drug Co.
SAVANNAH.....Solomons Co.
" .....Columbia Drug Co.
ROME.....Curry-Arrington Co.
VALDOSTA.....Valdosta Drug Co.

ILLINOIS.

CAIRO.....Schuh Drug Co.
CHICAGO.....Fuller & Fuller Co.
" ....Humiston, Keeling & Co.
" ....Morrisson, Plummer & Co.
" ....Stevenson & Co., Robert.
" ..Van Schaack & Sons, Peter.
" .....Olney & Jerman Co.
PEORIA.....Colburn, Birks & Co.
" .....Barker & Wheeler Co.
QUINCY.....Sommers Drug Co., Aldo.
ROCK ISLAND..Hartz & Bahnsen Co.

INDIANA.

EVANSVILLE....Leich & Co., Charles.
FORT WAYNE..Fort Wayne Drug Co.
INDIANAPOLIS...Kiefer Drug Co., A.
" ....Stewart Co., Daniel.
" ....Ward Bros. Drug Co.
" Mooney-Mueller DrugCo.
TERRE HAUTE..Bindley & Co., E. H.
" " ..Cook & Black Drug Co.

IOWA.

BURLINGTON.....Churchill Drug Co.
COUNCIL BLUFFS..Harle-Haas DrugCo.
DES MOINES....Des Moines Drug Co.
" " .....Iowa Drug Co.
DUBUQUE.....Torbert, W. H.
FORT DODGE.....Oleson Drug Co.
McGREGOR.....Peterson, S. J.
OTTUMWA.....Edgerly & Co., J. W.
SIOUX CITY....Hornick, Hess & More.

KANSAS.

WICHITA.....Potts Drug Co., C. E.
" .....Southwestern Drug Co.

KENTUCKY.

LOUISVILLE.....Robinson-Pettet Co.
" Peter-Neat-Richardson Co.
PADUCAH.....Kolb Bros. Drug Co.
" ..Du Bois, Sons & Co., L. S.

LOUISIANA.

NEW IBERIA.....Estorge Drug Co.
" ORLEANS..Finlay, Dicks & Co.
" " ...Lyons & Co., I. L.
" " .....Parker-Blake Co.
SHREVEPORT.....Morris-Dickson Co.

MAINE.

PORTLAND.....Perkins & Co., J. W.
" .....Goold & Co., J. E.
" ...Cook, Everett & Pennell.

MARYLAND.

BALTIMORE.....Baily & Son, James
" .....Carr, Owens & Co.
" .....Gilbert Bros & Co.
" .....Loewy Drug Co.
" .....Muth Bros. & Co.
" .....Gilpin Co., H. B.

MASSACHUSETTS.

BOSTON.....Carter, Carter & Meigs.
" .....Eastern Drug Co.
" .....Gilman Bros.
" .....Anthony Co., E. S.
WORCESTER.....Brewer & Co.
NORTH ADAMS,
Burlingame & Darbys Co.

MICHIGAN.

DETROIT.....Michigan Drug Co.
" ...Farrand, Williams & Clark.
GRAND RAPIDS,
Hazeltine & Perkins Drug Co.
MANISTEE.....Lyman Co., A. H.
SAGINAW...Saginaw Valley Drug Co.

MINNESOTA.

DULUTH...Leithhead Drug Co., L. W.
MINNEAPOLIS...Minneapolis Drug Co.
ST. PAUL.....Noyes Bros. & Cutler.

MISSISSIPPI.

MERIDIAN.....Hopkins & Bethea.
VICKSBURG.....Cassell Co., A. G.

MISSOURI.

ST. LOUIS.....Meyer Bros. Drug Co.
" " Merrell Drug Co., J. S.
KANSAS CITY.....McPike Drug Co.
" " .....Faxon & Gallagher.
" " ..Evans-Smith Drug Co.
ST. JOSEPH.....Smith Drug Co., C. D.
" " .....Van Natta Drug Co.
SPRINGFIELD.....Hall Drug Co.
JOPLIN.....Spring Drug Co., C. M.

NEBRASKA.

LINCOLN.....Lincoln Drug Co.
" .....Capital Drug Co.
OMAHA.....Richardson Drug Co.
" .....Bruce & Co., E. E.

NEW JERSEY.

NEWARK.....Smith & Co., C. B.

NEW YORK.

ALBANY.....Walker & Gibson.
BINGHAMTON.McKallor Drug Co., E.C.
BROOKLYN.....Towns & James.
BUFFALO.....Plimton, Cowan & Co.
ELMIRA..... Gerity Bros.
MIDDLETOWN..McMonagle & Rogers.
NEWBURG.....Merritts Sons.
NEW YORK CITY, Bruen, Ritchey & Co.
" Coffin, Redington Co.
" Crittenton Co., Chas. N.
" ....Elmer & Amend.
" .....Jadwin, O. H.
" .Klein & Co., Henry.
" .....Lehn & Fink.
" McKesson & Robbins.
" ..Schieffelin & Co.
" .Littell & Co., C. S.
" Smith-Worthington Co.
" .....Barry, E. J.
PLATTSBURG.....Cady Drug Co.
ROCHESTER.....Gibson Drug Co.
" ....Blauw & Barnum Co.
ROME..... Hower, L.
SYRACUSE.Hubbard, Sons & Co., Chas.
" .....Snow & Co., C. W.
TROY.....Polk & Calder Drug Co.
" .....Thompson Sons & Co., J. L.
UTICA.....Williams & Co.
" .....Sheehan & Co., J. H.
WATERTOWN.....Felt Co., Samuel

NORTH CAROLINA.

ASHVILLE.....Smith, Dr. T. C.
CHARLOTTE.....Burwell & Dunn Co.
" .... Scott & Co., J. M.
GOLDSBORO.....Justice Drug Co.
" .....Goldsboro Drug Co.
GREENSBORO..Richardson Drug Co., L.
WINSTON-SALEM,
Vaughn Crutchfield Co.

OHIO.

CINCINNATI.....Hale, Justis & Co.
" .....Stein-Gray Drug Co.
" ..Park & Sons Co., John D.
CLEVELAND.....Strong, Cobb & Co.
" ....Benton, Hall & Co.
COLUMBUS.....Orr, Brown & Price.
" .....Kauffman-Lattimer Co.
CANTON.....Bowman Bros. Drug Co.
IRONTON.....Ball-Warfield Drug Co.
PORTSMOUTH...Davis Drug Co., J. F.
STEUBENVILLE.....Beall & Steele.
TOLEDO..Walding, Kinnan & Marvin Co.
ZANESVILLE.....Bailey Drug Co.

OKLAHOMA.

OKLAHOMA CITY..Alexander Drug Co.

OREGON.

PORTLAND..Blumauer Frank Drug Co.
" ..Clarke-Woodward Drug Co.

PENNSYLVANIA.

BLOOMSBURG.....Moyer Bros.
CORRY.....Ames & Co., N. F.
EASTON.....Semple & Sons, H. B.
HARRISBURG.....Kennedy Bros.
" .....Clark, J. Nelson.
PHILADELPHIA..Aschenbach & Miller.
" .....Miller Drug Co.
" ...Smith & Co., V. H.
" ...Steelman & Archer.
" ..Shoemaker & Busch.
" ..Shoemaker & Co., Robert.
" Smith, Kline & French.
PITTSBURG....Shipley-Massingham Co.
" ...Gilmore Drug Co., W. J.
" .....May Drug Co.
" ....Kelly Drug Co., Geo. A.
SCRANTON.....Matthews Bros.
YORK.....Smith & Co., Wm.

RHODE ISLAND.

PROVIDENCE....Blanding & Blanding.
" ....Claflin Co., George L.

SOUTH CAROLINA.

CHARLESTON..Charleston Drug Mfg. Co.
" .....Geer Drug Co.
COLUMBIA.....Murray Drug Co.
SPARTANBURG, Crutchfield-Tolleson Co.

TENNESSEE.

CHATTANOOGA.....Fritts & Weihl.
KNOXVILLE.....Chapman Drug Co.
" Sanford, Chamberlain & Albers Co.
MEMPHIS.....Hessig-Ellis Drug Co.
" Van Vleet Mansfield Drug Co.
NASHVILLE....Berry, Demoville & Co.
" .....Spurlock-Neal Co.

TEXAS.

AMARILLO.....Roach Drug Co., E. R.
DALLAS.....Crowdus Drug Co., J. W.
" .....Texas Drug Co.
" .....Greiner-Kelly Drug Co.
FORT WORTH...Williams & Co., H. W.
" ..Kindel-Clark Drug Co.
HOUSTON.....Houston Drug Co.
" .....Southern Drug Co.
PARIS.....Paris Wholesale Drug Co.
SAN ANTONIO..San Antonio Drug Co.
WACO.....Behrens Drug Co.

UTAH.

SALT LAKE CITY,
Smith-Bailey Drug Co.
" Nelden Drug Co.,W.A.
OGDEN....Ogden Wholesale Drug Co.

VERMONT.

BURLINGTON...Burlington Drug Co.
WHITE RIVER JUNCTION,
Howard Drug Co.

VIRGINIA.

ALEXANDRIA..Leadbeater & Sons, E. S.
LYNCHBURG.....Strother Drug Co.
PETERSBURG..Armstrong & Co., W. E.
RICHMOND.....Bodeker Drug Co.
" Vaughan-Robertson Drug Co.
" .....Purcell, Ladd & Co.
" ..Owens & Minor Drug Co.
" ...Powers-Taylor Drug Co.

WASHINGTON.

SEATTLE..Stewart & Holmes Drug Co.
" " .....Pacific Drug Co.
SPOKANE.....Spokane Drug Co.

WEST VIRGINIA.

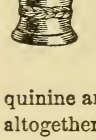
CHARLESTON..Lewis, Hubbard & Co.
" .....Kanawha Drug Co.
" .....Ruffner Bros.
ELKINS.....Gulland-Clark Co.
HUNTINGTON.Sehon, Stevenson & Co.
" ...Hagen, Ratcliff & Co.
MARLINTON.....S. B. Wallace & Co.
PARKERSBURG....Murdoch Co., J. N.
WHEELING.....Reed, Robb & Breiding
" .....Goodwin Drug Co.

WISCONSIN.

GREEN BAY.....Joannus Bros.
LA CROSSE....Spence-McCord Drug Co.
MILWAUKEE.....Milwaukee Drug Co.
" ..Yahr & Lange Drug Co.
" .....Dohmen Co., F.

A FEW OF THE

MEDICINES USED FOR THE HORSE.



We once heard it remarked by an eminent professor of Materia Medica, that, if he was compelled to combat with disease with either opium alone or all of the remaining drugs in use without the opium, he would choose the opium alone.

Another professor has said, "Give me mercury, iodine, quinine and the lancet, and I will combat with disease." While I do not altogether endorse the views of either of these distinguished professors, either in the number or selection of medicines they would choose first in preference to all others, I would say, give me, as my first choice, aconite and iron, in connection with the opium, and a few others, and I should feel that I was fitted out with the most important drugs for the successful treatment of the diseases of the horse.

We will give something of a history of the more important drugs used for the treatment of the diseases of the horse, with their effects and uses.

Acids.—These nearly all have a sour taste, and are derived from the vegetable, mineral and animal kingdoms. The number of acids used in medicines is small; among the most important of these are acetic acid, muriatic acid, nitric acid, sulphuric acid, tannic acid, gallic acid, carbolic acid, arsenious acid, phosphoric acid and tartaric acid.

Acetic Acid.—When diluted with seven parts of water, it is about the strength of ordinary vinegar. It is produced from the purification of pyroligneous acid.

Use.—It is used by some, with good results, for sprains and bruises, and for the destruction of the poison of insects, by adding to six ounces of the acid one-fourth ounce tincture of opium and two ounces of camphor.

Muriatic Acid.—This acid is obtained by the action of sulphuric acid on common salt. When pure it is a transparent, colorless liquid, but the commercial acid has a yellowish color.

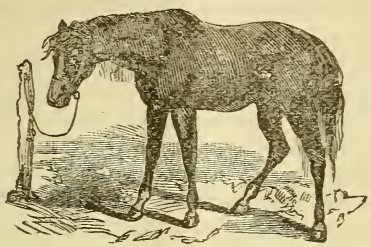
Muriatic acid is a good tonic in debilitating diseases of the horse, and is refrigerant and antiseptic.

Dose.—Half to one fluid drachm may be given, largely diluted with cold water, and repeated two to four times a day.

Externally, it may be used for sores in the feet, by pouring a few drops into the sores or nail holes. Eight or ten drops may be advantageously

used for poll-evil or quittor by being poured directly into the fistulous opening.

It may be used for various affections of the skin, by diluting with glycerine, and washing off in a short time if used strong.



Carbolic Acid.—This important medicine is obtained from coal tar oil. Its smell resembles that of creosote.

Uses.—It is used for various purposes, such as a disinfectant in stables where animals have distempers, fevers, etc., by washing the stalls, floors and ceilings with water which contains a small quantity of the acid; also used, with gratifying results, for unhealthy wounds and sores, by applying a solution of the following strength: Carbolic acid, one ounce; fresh soft water, six pints; this prevents putrefaction, and will cause the wound to be more healthy and to heal sooner. Carbolic acid is also used for destroying wood ticks, lice and all kinds of parasites, and is quite effective in preventing the bot fly from depositing her eggs when those parts which are commonly chosen by the bot fly are washed with a solution double the strength given above.

Nitric Acid, (called, also, Aqua Fortis).—This is also a valuable tonic, when properly given. It is extremely sour and corrosive, and should be guarded by the same caution as in giving the sulphuric acid.

Dose.—It may be given in doses of five to twenty-five drops, largely diluted with water.

Sulphuric Acid, (called, also, Oil of Vitriol).—This acid is obtained by burning sulphur, mixed with one-eighth of its weight of nitre, over a stratum of water contained in a chamber lined with sheet-lead.

Uses.—Many consider this acid to be preferable to any other of the acids for internal use, in debility of the digestive organs, for general weakness, and as a refrigerant.

Externally, it is used similarly to muriatic acid. When it is desired to use it as a caustic it should be mixed with dry powdered white vitriol, sufficient to make it of a pasty consistence, so it can be confined to the location which it is desired to cauterize.

This acid, as well as nitric or muriatic acid, is a powerful irritating poison when given into the stomach undiluted; and persons should bear in mind, when these acids are given, that they should be largely diluted with water and thoroughly mixed before administering.

A dose of sulphuric acid is about ten to forty drops, largely diluted with water.

TANNIC ACID, (called, also, Tannin).—This is produced from nutgalls, oak bark, etc. It is uncrystallizable, white, or slightly yellowish, with a strongly astringent taste, inodorous, soluble in water, but not very soluble in alcohol or ether, and insoluble in most oils.

Tannic acid precipitates solutions of starch, albumen and gluten, and forms, with gelatine, an insoluble compound, which is the basis of leather.

Uses.—It is valuable, mixed with water, as a wash for running sores and ulcers, and is also excellent for diarrhœa, and may be given for any disease where this class of medicines is indicated. It will, in many cases of bleeding sores, stop the bleeding if applied locally. It is sometimes used as an eye-wash, with excellent success, by applying a solution of the following strength: tannic acid, one-fourth ounce; cold water, one quart. As it is harmless and safe to use, we would recommend it as an eye-wash.

Dose.—For diarrhœa, the dose should be from one-half to one drachm.

ACONITE. (Wolfsbane—Monkshood).—An active poison, which grows abundantly in the forests of Germany, France and Switzerland. It is also cultivated in the gardens of Europe, and has been introduced into this country as an ornamental flower. All parts are poison. The leaves and roots are used. A tincture made from the root is much more active than from the leaves.

Tincture of Aconite Root.—This is one of the most powerful and successful sedatives which is in use. It is one of the best medicines we have for the successful treatment of several of the diseases of the horse, when properly used, and has, to a certant extent, done away with bleeding and physicking, the former of which has been, in the past, so indiscriminately and dangerously used. It is not only sedative, but it is an anodyne, diaphoretic and antiphlogistic. It controls fever, reduces inflammation and allays pain. In fact, we have no drug which will so well control the circulation and action of the heart as aconite.

Medical Uses.—The effects of remedial doses are felt in twenty or thirty minutes, and are at their height in an hour or two, and continue, with little abatement, from three to five hours. We have no single drug which is used with such gratifying results in many cases, such as lung fever, or, in fact, inflammation of any part of the body, colic from eating green food, and founder.

Caution.—In overdoses this valuable drug is an active poison, therefore we would caution all who use it about giving too large quantities, as prostration and perhaps death would be the result. Never give more than five or six doses, if twenty-five drops are given at each dose, nor more than seven or eight, if twenty drops are given at each dose. The dose may vary from ten to forty-five drops, but for most purposes should be about twenty-five drops.

ALOES are of several varieties—Cape, Barbadoes and Socotrine—and it is the condensed juice of the leaves of a plant. Given by some as a purgative or cathartic for horses; others consider it bad practice to use it much. A *dose* should, for ordinary purposes, be from one-half to one ounce. It is generally best to combine with it fenugreek, ginger or canella.

ANTIMONY exists in its natural state in France and Germany. The preparations of antimony which are used for the horse most, are, 1st, *Sulphuret of antimony*, also commonly called *black antimony*, This is by many considered a remarkable remedy for the horse, for many purposes, but especially to make the horse *shine*, and to have the appearance of being quite fat. 2d. *Tartrate of antimony and potassa*, commonly called *tartar emetic*, has been in great repute in the treatment of diseases of the chest; but is now considered of but little value in these diseases.

ANISE SEED are obtained from the anise plant, which is a native of Egypt, but has been introduced into the south of Europe and is cultivated in various parts of that country, and is cultivated occasionally in the gardens of this country.

Uses.—It is a grateful, aromatic carminative; and is supposed to have the property of increasing the secretion of milk. It is used for flatulent colic, indigestion, loss of appetite, etc. It is an excellent remedy when combined with other medicines, for various kinds of condition powders.

Dose.—One-half to two ounces, which may be repeated three times a day.

AQUA AMMONIA, (called, also, Hartshorn).—This medicine is very valuable both for internal and external use. It is a diffusible stimulant, antispasmodic and antacid. It is used *externally* with olive oil, and in various mixtures as a counter-irritant. Used as an antidote for bites of poisonous serpents. Given with good results for flatulent colic in *doses* of two to three drachms; given with milk as directed below for carbonate of ammonia.

CARBONATE OF AMMONIA.—This is a very valuable medicine for debility and prostration from lung fever, bronchitis, influenza, or any disease causing great weakness. Its effects are similar to those of aqua ammonia given above.

Dose.—One to three drachms, which may be repeated three times a day, and should be given in milk or cold gruel, which will protect the mucous membranes of the throat and stomach.

Arsenic.—This is an active poison in large doses, but when given in proper doses is an excellent tonic, improving the general condition of the horse. It should be given in a large bulk of cut feed, so as to protect the stomach. From two to five grains may be given in the twenty-four hours, and it should be continued for about two weeks, when the medicine should be stopped for one or two weeks, and then it may be given again as before. Some consider it a sure cure for the heaves.

Asafœtida.—A gum resin obtained from a plant of Persia by making incisions into the living root, collecting the juice which exudes, and drying it in the sun. It has a peculiar odor, similar to that of onions.

Uses.—It is antispasmodic, expectorant, and a moderate stimulant and laxative. It is given as a vermifuge and for loss of appetite, also used for heaves, in connection with camphor. (See Treatment of Heaves.)

Dose.—One to three drachms, and, if the stimulant effect is wanted, give from one to two ounces of the tincture.

Blue Vitriol.—This is an excellent medicine, when given internally, as a tonic, to build up the system. Given for glanders, farcy and various other diseases requiring tonic and alterative medicine, and should be combined with ginger, fenugreek or gentian. *Externally*, blue vitriol is used, with good results, as a caustic for proud flesh, by touching the parts with a piece of the crystal. It is also excellent for many wounds which have no proud flesh, by applying it in solution, six to twelve grains to each ounce of soft water.

Dose.—It may be given in doses of from one-half to one drachm, twice a day.

Camphor.—A peculiar concrete substance derived from a plant in China and Japan. It is recommended for nervous excitement and for heaves, and is used in many cough mixtures. It is a favorite household remedy, and used externally to a large extent.

Dose.—Camphor may be given in doses varying from one-half to two drachms. Camphor gum one ounce, and sweet oil eight ounces, mixed, make a very good external remedy for various purposes.

Cantharides. (Spanish Flies.)—This remedy is produced by collecting the beetles commonly called Spanish Flies. These insects are of a beautiful, shining, golden green color, and usually make their appearance upon the trees of Spain, Italy and the south of France in the months of May and June, when they are collected by placing linen cloths under the trees on which they have lodged through the night, and shaking the tree early in the morning, while they are torpid from the cold of the night, and consequently let go their hold easily. They are then deprived of life by the vapor from boiling vinegar, and dried in the sun or in rooms heated by stoves.

Uses.—Internally, cantharides are a powerful stimulant, with a peculiar direction to the urinary organs, and in moderate doses it sometimes acts as a diuretic. Used with good results for glanders and farcy. The principal use of the cantharides is as a blister, by mixing it with lard.

Dose.—Spanish flies may be given in doses varying from three to seven grains, but given only once a day.

CASTOR OIL.—This is the expressed oil of the seeds of the castor oil plant, which is now cultivated largely in this country throughout many of the Southern and Western States.

Use.—This oil is very useful and safe for common use in the human family; but it is considered unfit for the horse, as it sometimes causes inflammation of the coats of the bowels without relief from the purging. Raw linseed oil is considered as safe and efficient for the horse as castor oil is for man. (See Linseed Oil)

Dose.—When it is thought best to give castor oil, or in the absence of the raw linseed oil, it may be given in doses varying from three-fourths of a pint to one and one-fourth pints.

CATECHU.—An extract prepared from the wood of Acacia Catechu, and found most abundant in the East Indies. It is a small tree, seldom growing more than twelve feet in height, with the trunk about one foot in diameter.

Use.—An astringent which will bind the bowels in diarrhœa, and is combined, with good results, with opium and prepared chalk, for diarrhœa.

Dose.—One to three drachms.

PREPARED CHALK. (Creta Præparata.)—This is the only form in which chalk is used in medicine, and is an excellent antacid; is one of the best antidotes for oxalic acid. It is used, with good results, for acidity of the stomach, and for diarrhœa, etc.

Dose.—One to two ounces.

CHAMOMILE FLOWERS.—This is a native of Europe, and grows wild in all the temperate parts of that continent, and is also largely cultivated.

Use.—A very mild tonic, and quite useful when combined with other medicines of this class.

Dose.—It may be given in doses varying from one-half ounce to two ounces.

CHARCOAL.—This may be given, with good results, powdered, for chronic diarrhœa, dysentery and debilitated stomach.

Dose.—Half an ounce to one ounce, and it may be given suspended in gruel. It may be used, with good results, externally, when applied to badly smelling wounds.

CHLORIDE OF LIME.—This compound was originally prepared for a bleaching agent nearly a century ago, and has since been found to have valuable properties as a disinfectant. It is a dry, or but slightly moist,

grayish-white, pulverulent substance, with an odor similar to that of chlorine.

Uses.—Chloride of lime is a disinfectant, and, from its deodorizing and antiseptic properties, makes an excellent stimulant to unhealthy ulcers, applied in solution; also, for cutaneous eruptions, etc. Its principal use is as a disinfectant in stables occupied by glandered and other sickly horses, and it may be sprinkled on the floor every morning, or may be suspended in the stable in a box which has several holes cut into it.

Dose.—When it is thought best to give it internally, one to three drachms may be given at a dose, in water.

Chloroform is a colorless, volatile liquid, having a bland, ethereal odor and a sweetish taste.

Uses.—It is an excellent stimulant for horses, when having a chill from cold, or in congestion, and is sometimes given to quiet pain in colic and other painful diseases. It is used mostly in liniments and sometimes for inhalation. One ounce of chloroform and three ounces of olive oil, well mixed, make an excellent liniment for external use. When chloroform is given to the horse by inhalation he should be well secured, so as to prevent his doing any damage, as it sometimes makes him perfectly wild and uncontrollable. When any operation of any considerable extent is to be performed it is best to tie the horse down, and then administer the chloroform by pouring about an ounce of it on to a sponge, holding the sponge to one nostril, and covering the nose loosely with a large towel; but care should be taken to allow the horse pure air, also, to breathe with the fumes of the chloroform. Usually two to four ounces is sufficient to produce its effects when inhaled.

Dose.—One to two drachms, well diluted with weak spirits.

Croton Oil.—This is a very powerful cathartic, and dangerous, if improperly used, but, as a "last resort," oftentimes works very well.

Dose is usually from ten to fifteen drops.

Elecampane.—This is one of the best medicines in use for lung affections, and should enter largely into all mixtures for this class of diseases. It is also an agreeable aromatic, and should form a part of all condition powders.

Epsom Salts. (Sulphate of Magnesia.)—This medicine, so well known in every household, is used with good results as a febrifuge, and is often given as a purgative. It is not only cheap, but is very good for several diseases, and forms a part of various condition powders.

Dose.—One-fourth to one-half pound, dissolved in as large a quantity of cold water as can be given the horse conveniently, with one ounce of ginger; also, allowing the horse to drink, if he will, after the salts have been given, for the reason that they will be much more efficient if largely diluted.

ERGOT.—This is produced from diseased rye, and is of great value in the foaling season, as it is the most effectual remedy known for increasing the action of the uterus, when there is not sufficient contraction. Great care should be taken when it is given that nothing prevents delivery, except deficient action of the uterus. It should not be used by the non-professional, as they would be more likely to do harm than good with it; in fact, the cases demanding its use are *very* rare, but, as we said before, where its use is really called for, nothing else will act as well.

Dose.—Of the powder, one-eighth to one-half ounce; of the tincture, one to two fluid ounces may be given.

ETHER. (Sulphuric Ether.)—This is a very valuable remedy, and is used with excellent results for colic, and for various purposes is a good antispasmodic. Given with tincture of opium, it works admirably for colic.

Dose.—One to two fluid ounces.

EUPHORBIUM.—This is the concrete, resinous juice of a plant growing in Africa and in some other parts of the world.

Use.—Owing to the severity of its action its internal use has been entirely abandoned, and it is now used only externally, and it is so severe that it is but very little used even in that way.

MALE FERN.—The root of a plant growing in South Africa. It is said to be very valuable for ridding animals of worms.

Dose.—It may be given to the horse in doses of one-half to one pound of the powdered root, and may be followed with a purgative the next day.

FENUGREEK.—An annual plant, growing spontaneously in Southern Europe. It has a peculiar odor, which is quite agreeable. The seeds, ground, is the portion used, and they enter largely into nearly all the condition powders which are put up and sold through the country.

Dose.—One-fourth to one ounce.

NUT GALL.—A morbid excrescence upon the oak tree, resulting from holes being made in the bark by an insect.

Uses.—It is a powerful astringent, and is used to bind the bowels when affected with diarrhœa or dysentery; used, also, for applying to the greasy heels of horses.

Dose.—One to three drachms.

GENTIAN.—A valuable tonic. It excites the appetite, invigorates digestion, moderately increases the temperature of the body and the force of the circulation, and may be combined with iron for debility; it is used, in connection with other drugs, for various purposes, and forms an *important* part of various condition powders.

Dose.—One-half to two drachms, repeated two or three times a day.

GINGER.—There are several varieties, of which the *Jamaica* or *white ginger* is the best, but all are used, with good results, for colic, loss of appetite, etc., and should enter into every dose of purgative medicine.

Dose.—From one to four drachms.

GLYCERINE.—This is the sweet principle of fats or oils, and was discovered nearly a century ago, when it was called the *sweet principle of oils*. It is a fluid which scarcely ever dries up, and is a thick, syrupy substance, resembling castor oil in its looks, but without smell, and very sweet to the taste.

Uses.—It is an excellent application to many sores, and is used with very gratifying results for scratches or sore heels; also, for skin diseases, when a softening and soothing application is required. When a little is added to poultices, it has the effect to keep them soft and moist for a long time. It is soluble in water.

IRON.—This is one of the most valuable medicines in use for many cases of debility, as it supplies the red corpuscles of the blood, which are generally deficient in a debilitated animal. Various preparations of iron are in use, of which the following are the most commonly used:

Copperas. (Sulphate of Iron.)—This is one of the cheapest, and, for many purposes, the best. It is tonic and astringent, and is used, with good results, for weakness, bad condition, swelling of the legs, body, sheath, etc.

Dose.—One-half to one and a half drachms, and it should be combined with the same quantity of gentian or ginger, and given in the feed, or as a drench with cold water.

Muriated Tincture of Iron.—This is an excellent preparation of iron, and may be given in doses varying from one-fourth to one ounce. Although several other preparations of iron are in use, the two given above are all that are ordinarily required.

JUNIPER BERRIES.—The best juniper berries come from the south of Europe, and are about the size of a pea, and more or less shriveled. They are produced from a small evergreen shrub, which sometimes grows twelve or fifteen feet high. It is used for loss of appetite, to stimulate the stomach and kidneys to action, and during convalescence from disease.

Dose.—One to two ounces.

KINO.—This is the inspissated juice of several plants which grow in Africa, East and West Indies, South America, etc. It is a powerful astringent, and is used in diarrhœa as a substitute for catechu, which is not quite as powerful.

Dose.—One to five drachms.

RAW LINSEED OIL.—This is, perhaps, the safest and best purgative in common use, and should be given by non-professional persons in preference to any other medicine. Never give boiled oil.

Dose.—One to two pints, as a purgative.

LIQUORICE ROOT.—This is the root of a small plant, growing four or five feet in height, and which is cultivated in England, the north of France, and Germany. It has an agreeable, sweetish taste.

Uses.—It is an excellent demulcent, and well adapted to cases of irritation of the mucous membranes of the lungs, bowels and urinary organs. It forms an important part of condition powders, and especially when given for coughs.

Dose.—From one-half to one ounce.

MERCURIAL OINTMENT.—This is used mostly for skin diseases, such as mange. But we prefer, for this disease, the treatment which we have already given in another place. Mercurial ointment is sometimes used with good results to rid animals of lice, by boring a small hole where the animal is liable to rub its neck, and filling it with mercurial ointment.

NITRE. (Saltpetre.)—This medicine has long been used as a febrifuge and as a diuretic, and is still held in high esteem by many, but there are other drugs which are better adapted to the treatment of the various diseases for which it has long been used.

Use.—As a febrifuge in fevers and inflammations, and for kidney complaints; it is also used, by many, in condition powders, for scratches and various disorders of the blood.

Dose.—One and one-half to three drachms.

NUX VOMICA.—This is an active poison in large doses, but if given in proper quantities it is an excellent tonic and nervine for the horse when suffering from depression, dyspepsia, etc.

Use.—In paralysis and also in "glass eye" depending upon a want of nervous energy in the optic nerve of the horse.

Dose.—The tincture is generally used, of which one to three drachms may be given two or three times a day.

OIL OF TAR.—This is procured by the distillation of tar, and is an excellent remedy for any cough, heaves, etc. (See Treatment of Heaves.) It is also an excellent application externally, when mixed with equal parts of castor oil or sweet oil, to promote the growth of the hoof of the horse. This mixture makes an excellent hoof ointment. To darken the color, lamp-black may be mixed in sufficient quantity to suit the color of the foot.

Dose.—Oil of tar may be given internally in doses of from one-half drachm to two drachms.

OIL OF TURPENTINE, (commonly called Spirits or Spirit of Turpentine.)—This is so common and well known that it will not need any description here.

Uses.—It is stimulant, diuretic, anthelmintic, diaphoretic, and externally rubefacient. It is given largely in several diseases of the horse, such as colic, for various lung difficulties, and for the expulsion of worms. As an external remedy, combined with an equal quantity of sweet oil, or in

various mixtures, it is used with good results, but should not be applied in full strength to the horse.

Dose.—The dose of spirits of turpentine is from one to two ounces, and should *always* be mixed with twice its bulk of sweet oil.

Opium.—This is the dried juice of the poppy, and is brought to this country from Turkey (which is probably the best), and also from several other countries. It is certainly one of the most valuable drugs in use, but should not be used indiscriminately. It relieves pain, and is used with great success for colic and various other diseases.

Dose.—One-half to one and a half drachms.

Oxide of Zinc.—This is an inodorous, tasteless, yellowish-white powder, and insoluble in water and in alcohol.

Uses.—Given internally, it is tonic and antispasmodic. Its principal use is external, applied to excoriated surfaces, by sprinkling the powder on the affected part, or, in the form of an ointment, by mixing one drachm oxide of zinc and one ounce of lard. It is used with good results for scratches, grease heels, and other sores which have a discharge of a thin fluid. Another good ointment may be made by adding oxide of zinc to a mixture of shaved castile soap, moistened with a little water and all thoroughly mixed together. The last mixture is an excellent preparation for scratches and grease heels on horses which are kept at work, as it can be easily scraped off at night, so that the surface may be cleansed before another application is made for the night. It allays irritation and is quite soothing to the parts.

Dose.—Internally, it is given in doses of from one-half to one drachm.

Red Iodide of Mercury, (called, also, Biniodide of Mercury).—This is a powerful irritant poison, when taken internally, and is now used only as an external remedy. It is a scarlet-red powder, which, like other preparations of mercury, is very heavy for its bulk; not soluble in water, and only slightly so in alcohol. It is held in great repute by veterinary surgeons for swellings of the glands of the neck, tumors and unnatural growths of all kinds. It is used principally with Cantharides, mixed with lard, which forms an excellent blister for various purposes. It is not generally used where it is desired to blister a large surface, as it produces considerable pain.

Rosin, or Resin.—This is the residue left from the distillation of turpentine, and is used by horsemen quite freely, and oftentimes is the cause of much mischief, as it is used, to a considerable extent, to cause the horse to urinate more freely, and the overdoses, so frequently given, are often the cause of various diseases of the kidneys and loins. The oftener rosin is given the horse, the more he stands in need of it, in the eyes of the driver. The kidneys become overworked, he desires to urinate more frequently, and less urine is voided at each time. The mischief is not seen, and the owner

hastens to give more rosin, thinking to remedy the defect that he has been instrumental in producing. It should be remembered that powerful diuretics, like powerful purgatives, tend only to weaken and to debilitate. If there be a urinary defect, find out the cause, and, if possible, have it removed, and the effect will cease; but do not attempt to do so by force, against all science and common sense.

Sweet Spirits of Nitre.—This is generally considered a good household remedy for fevers, etc. It is used for the horse to increase the action of the kidneys, but should not be given too freely in all cases of supposed inaction of the kidneys.

Dose.—One to two ounces, given with a little cold water.

Sulphur.—Is a valuable medicine, given internally, for rheumatism, in doses of one-half to two ounces, and also for various disorders. It is also used, with grand success, for skin diseases.

Tar.—The tar used in this country is prepared mostly from a species of pine growing in the Southern States. Tar consists of resinous matter, united with the acetic acid, oil of turpentine and various volatile empyreumatic products, and colored with charcoal.

Uses.—The medical properties of tar are similar to those of the turpentines. It is used occasionally, with good results, for complaints of the urinary passages, and also for coughs. Externally, it is used for foul and indolent sores; it is also an excellent application to the bottom of the foot, to soften the hoof when it is too hard and the foot sore. Some prefer a mixture of glycerine and tar, mixed as follows: Take of tar and glycerine, each, six troy ounces, and of starch, in powder, two drachms. Mix the starch thoroughly with the glycerine, previously warmed; then add the tar, and heat quickly to 212°. Strain, if necessary, and stir the mixture while cooling. Tar should be kept in every horse-shoeing shop for putting on the foot, usually with cotton batting or oakum, and having leather nailed on with the shoe.

Dose.—One to two ounces, repeated two or three times a day.

White Vitriol. (Sulphate of Zinc.)—This preparation of zinc is a valuable medicine, also, for healing sores and wounds. It is used, with good results, for healing fresh cuts and wounds, or ulcers, whether they be healthy or unhealthy, by applying a solution of the following strength, viz.: white vitriol, one ounce; soft water, one quart. It is also used, with very good results, in eye waters, and, perhaps, is one of the very best of medicines we have for the eye. As we have given two or three receipts for eye waters, with the miscellaneous receipts, we refer all who are interested to those.

Dose.—When given as a tonic, ten to fifteen grains may be given, dissolved in water. It is used, with good results, for irritated stomach, loss of appetite, etc.

KENDALL'S SPAVIN CURE FOR HUMAN FLESH

GOOD FOR MAN AND BEAST

Read below of its very beneficial effects as a Liniment for the Human Family

USED 25 YEARS ALL THAT IT IS RECOMMENDED FOR MAN OR BEAST.

Bedford, Mich., Aug. 25, 1912.

Dr. B. J. KENDALL CO., Enosburg Falls, Vt

Gentlemen:—I write you these few lines to let you know that **I have been the user of your Kendall's Spavin Cure for the last 25 years I use no other kind of liniment in my family or for any stock. It is all you recommend it to be.** It saved my life when all the doctors said there was no help for me and perfected a permanent cure. **I had a gathering in my head.** It got so bad that the doctors gave me up and said there was no help for me; that it had worked so close to my brain there was no medicine that could reach it. I had such pain in my head I thought I had rather die than stand the pain. I had a bottle of your Spavin Cure in the house and knowing it had been so good for everything I had tried it for concluded to try it on my ear, I saturated a little cotton batting and placed it in my ear which gave me instant relief and inside of a week effected a permanent cure. I have not felt anything since.

It is a fine liniment for headache sore throat, cold on the lungs, and in fact for anything where liniment is needed. It is also a fine liniment for stock. If this testimonial is of any use to you you may use my full name and address.

Yours truly,

CHARLES F. CARROLL.

CURED RHEUMATISM OF TWO YEARS' STANDING.

Indianapolis, Ind., March 25, 1912.

Dr. B. J. KENDALL CO., Enosburg Falls, Vt.—Gentlemen: Please send me a copy of your TREATISE ON THE HORSE. Several of the leading druggists here have none for distributing. I am using your SPAVIN CURE on a mare for what seems to be a sprain of the Patella or stifle joint. Hope the book will help me to locate the real trouble. **One bottle of the Human Flesh strength cured me of Rheumatism of two years' standing in both arms, and after treatment from several doctors.**

Respectfully yours,

W. T. HOWARD.
(R. F. D. No. 19)

USED WITH GREAT SUCCESS FOR SPRAINS, RHEUMATISM, GALLS, SORE SHOULDER, CORNS, ETC.

Carnduff, Sask., Oct. 8, 1911.

DR. B. J. KENDALL CO.—Dear Sirs: Enclosed find stamp for a copy of your TREATISE ON THE HORSE. I have used your Spavin Cure with great success on my stock as well as for domestic purposes. It is the best thing I can get for **Spavins, Rheumatism, Corns, etc., also for sore shoulders,** Splints, Galls, etc., for horse.

Yours truly. A. A. COON.

GOOD FOR SORES, COLDS, GALLS, SORE SHOULDER, BURNS, ETC.

Henryton, Md., Jan. 1, 1912.

DR. B. J. KENDALL CO.—Gentlemen. I recently bought a bottle of your Spavin Cure to use on a colt that had been kicked a year ago. Before I had used half the bottle the swelling was all gone and he was completely cured. **I also find it good for bruises, sores, burns, and colds on the chest.**

JOHN FEEZER

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PINK-EYE.—The name "pink-eye" has been extensively used in this country during the severe epidemic which occurred in the fall of 1881, to designate an *epidemic distemper*. This disease, although not by any means a new disease, prevailed to an alarming extent during the last epidemic; but it prevails more or less in some parts of the country in a milder form almost every spring and fall, and is more likely to attack horses in crowded cities than those of the country. At times, it seems to be contagious, especially among young horses. It is a species of influenza.

Symptoms.—At first the horse appears dull, with a disinclination to move; the knees tremble, the eyes are swollen and look reddish, especially in the inner corners, and the lids are also swollen and red; the eyes are quite sensitive to light, and are stuck up with puss. The membrane lining the nostril is red, and appears inflamed, as well as the membranes extending into the throat. More or less discharge from the nostrils, and swelling and tenderness of the glands of the neck and throat. There is considerable fever from the beginning, and the hind legs swell, first one, and then the other, and this swelling sometimes extends up to the sheath and along the belly. The tongue is foul, appetite poor, the urine scanty, bowels constipated, the saliva or matter runs freely, and it is with difficulty that the horse is able to swallow. In some cases, the swelling under the jaw suppurates and leaves an abscess. There is usually considerable loss of strength early in the disease. The cause seems to be a variable state of the atmosphere, or sudden changes from heat to cold or dry to wet, and as this may vary in its extent and character in different seasons, we find that there is some difference in the extent as well as the symptoms of different epidemics; that is, the cases which occur this year which may only extend over some particular part of the country, will have certain symptoms common to most of those it attacks, and which, perhaps, has not occurred in any epidemic for years. The disease often leaves the horse in a bad condition, and bronchitis, nasal gleet, or glanders may result from it. If the horse is not in much distress, coughs strong, does not appear weak, eats well, with a moderate pulse, and the discharge appears healthy, and of only moderate quantity, there will usually be but little danger if properly cared for; but if there is great prostration, with inordinate local and constitutional symptoms, the danger is very great.

Treatment.—The most important part of our treatment, is giving the powders described on page 95, continuing their use until the patient is convalescent to prevent any bad after effects.

Any person, who will take into consideration the state of the patient, will readily see that if prostrated, he should be strengthened and built up by proper remedies, nourishment, pure air, and good care. Give the patient a good place in a well-ventilated stable without any draught or air which will reach him, with a good, clean bed of straw; and if the weather is cold, be particular to blanket well. Give bran mashes, instead of solid food, for two or three days, or until some improvement is manifest; and instead of giving cold water to drink, give a plenty of flaxseed gruel, especially if the throat symptoms are severe; or if the flaxseed cannot be obtained, use instead oatmeal gruel, which should be allowed in abundance. The discharge from the nose may be encouraged by pouring boiling water onto one or two quarts of bran, ten drops of carbolic acid, a small handful of salt and hops all mixed together, and held under a tunneled-shaped piece of cloth or blanket, which will conduct the steam up to the head. Kendall's Spavin Cure is one of the best applications to the throat that can be made, by applying it two or three times a day, and rubbing it down to the skin gently.

FOR HUMAN FLESH.

Kendall's Spavin Cure Refined Is Most Excellent.

A great many of our patrons after trying Kendall's Spavin Cure for Rheumatism, bruises, sores, sprains, injured limbs, and other ailments of the human body, write us their experience, and announce the efficacy of our remedy when applied to HUMAN FLESH. We do this with pleasure, as far as our space will allow, and give herewith a few of the many testimonials received from time to time, showing most satisfactory results.

Please remember that we have REFINED the Spavin Cure expressly for Human Flesh, and have put the price within reach of all, 50c. a bottle. The satisfactory record of our liniment for animals has fully warranted us in placing the same upon the market as an effective household liniment.

For directions in regard to its use see page 72.

READ WHAT OUR SATISFIED PATRONS SAY.

VERY SATISFACTORY RESULTS IN TREATMENT OF HOUSEMAID'S KNEE OR WHITE SWELLING.

DR. B. J. KENDALL CO.—Dear Sirs: About the first of June, I wrote you for advice regarding the use of your Spavin Cure on an inflamed knee, which my physician called "Housemaid's knee", and as requested will let you know how it improved.

When I discontinued the physician's remedies and commenced using the Spavin Cure, I could see a decided improvement at once, but the trouble did not entirely disappear until about one month ago.

I am still using the liniment, about one application per day for a time to prevent a recurrence of the trouble. I have used altogether about three bottles.

I am confident that I would have saved a doctor's bill of $15.00 besides being idle nearly one month, if I had used your liniment freely at the start and continued the use for some time, or if I had continued the use of it a little longer when I had the first attack.

Will be pleased to recommend your Spavin Cure to anyone, or anyone personally who lives near me. Thanking you for the advice, I am.

Resp. yours, W. B. ROWE, 627 E. 103rd St.
Cleveland, Ohio.

HIGH PRAISE FOR KENDALL'S.

Mosman's Bay, Sydney, New South Wales, Australia.
Oct. 31, 1911.

Dear Sirs: I have been looking around for some time in the hopes of coming across an agent of yours, where I could procure a copy of your pamphlet, A TREATISE ON THE HORSE AND HIS DISEASES, but so far I have not been successful, so if you would kindly forward the address of where I could get one I would be much obliged to you.

I can not speak too high praise of Kendall's Spavin Cure, having used it on my back, chest, and hips, (which I thought at one time were incurable) with the best results.

I have told all my friends that are connected with horses and they would like very much to see your book. I am only too pleased to make known the good it has done me.

Trusting that I shall hear from you shortly, I remain,

Yours sincerely, J. ZIYMACK.

SAYS CURES GOITRE.

Seattle, Wash. Aug. 31, 1911.

Dear Sirs: I have discovered a use for your refined Spavin Cure that you do not seem to know of, or at least one that you do not advertise it for. It is with a sense of duty as well as a feeling of pleasure that I tell you that your medicine cures *goitre.* I know of several cases, as well as my own, that it has cured. Of course I tell my friends of it, but I feel that the public should know of this simple and efficient cure for that awful trouble goitre.

Hoping that you will advertise your remedy for this, I am

Gratefully, (Miss) MAUDE ROBINSON.

GOOD FOR RHEUMATISM.

Kansas City, Mo. Nov. 10, 1911.

Dear Sirs: Please send me your TREATISE ON THE HORSE. I have used Kendall's Spavin Cure for rheumatism on both myself and my horse with satisfactory results.

Yours truly, F. KLUTKE.

CURES SEVERE ANKLE SPRAIN—GOOD FAMILY LINIMENT ALL THAT IS CLAIMED.

Franklin, Vt. Dec. 11, 1911.

DR. B. J. KENDALL CO.—Gentlemen: Two years ago I sprained my ankle and for months walked with my ankle crooked, which caused great pain. I used several kinds of liniments but none gave relief until I began using Kendall's Spavin Cure, which not only removed the pain, but my ankle is now as free from pain and straight as before the fall which caused the sprain. Since getting such good results I now use your Spavin Cure as an all purpose family liniment and have found it to do all you claim and more.

Wishing you the success you deserve, I remain

Very truly yours, MRS. S. YOUNG.

RELIEVES BRUISES, RHEUMATISM, COLDS, COLLAR GALLS, ETC.

Tekoa, Wash. Nov. 16, 1909.

DR. B. J. KENDALL CO.—Dear Sirs: I have been using Kendall's Spavin Cure and found it to be the best liniment I have ever used. I was kicked by a horse and happened to have a bottle of your liniment which proved to be just the thing I needed. It also gives me relief from Rheumatism, and I rub it on my chest for Colds and Cramps. One of my horses had a lump on his shoulder under the collar, and Kendall's Spavin Cure took it off. Please send me your book, TREATISE ON THE HORSE.

Very truly yours, LOUIS LOCKWOOD.

RELIEVES BUNIONS.

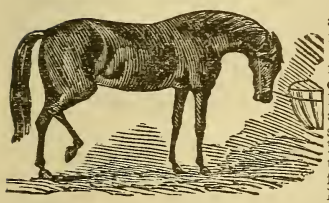
Arcola, La. Dec. 12, 1909.

DR. B. J. KENDALL CO.—Dear Sirs: Your remedy has relieved me of so much suffering and discomfort that I feel I must thank you. My daughter bought a bottle of Spavin Cure to reduce some Wind Galls on her pet mare, and seeing that it was good for the human family also I tried it on my Bunion, with which I have suffered since I was eleven years old (Am now middle aged.) After three applications it ceased to trouble me and is rapidly becoming smaller.

Kindly send me your TREATISE ON THE HORSE.

Very truly yours, MRS. JENNIE E. GORDON.

PROF. FLINT'S HORSE AND CATTLE RENOVATING POWDERS.



We have thoroughly tested the virtues of the above named Powders and found them to be most valuable for horses or cattle.

As a BLOOD PURIFIER these powders have no equal to our knowledge for any disease or bad condition caused by impure blood. Every man knows, or should know, that thousands of horses are sick or in BAD CONDITION, as their owners say, simply because their blood is impure, which is caused by the horse being kept in a barn where the atmosphere is foul, or being fed on improper food. We have no hesitancy in saying that PROF. FLINT'S RENOVATING POWDERS are the *very best remedy known to us* for any ill condition or sickness caused by impure blood, which may be known by the horse looking poor, being dull, coat being rough and not looking thrifty, hide bound, legs swelling, We never knew it to fail, (in any case of ill condition as described above, after one or two pounds had been given to a horse according to directions), but what the horse would fat up in a very short time, and act entirely different.

FOR COUGHS. We have always found it satisfactory for every kind of a cough, whether of short duration or of long standing; if given until one to three pounds had been used for cases of long standing. Also, very excellent for Epizootic.

HEAVES. The Powders have been found an excellent remedy for this ailment. See complete treatment on pages 19 and 20 of this book.

We can send these Powders by *mail, postage prepaid*, for 50c, for a large package weighing about one pound, or five packages for $2.25. Address all orders to

DR. B. J. KENDALL CO.
Enosburgh Falls, Vt.

KENDALL'S BLISTER.

We wish to have it understood that KENDALL'S BLISTER is entirely different from Kendall's Spavin Cure, as the latter does not blister.

"Kendall's Blister" is an excellent remedy for spavins, (especially blood or bog spavins), ringbone, splint, or any similar difficulty. In all bad cases of long standing we think they can be more successfully treated by the use of "KENDALL'S BLISTER" in connection with "KENDALL'S SPAVIN CURE," (as directed on labels,) than by many other remedies in use, as some cases which will not yield to other remedies, or to either of these alone, will soon yield to the use of our Blister, followed up by the use of our SPAVIN CURE, as directed.

Besides our Blister being a complete remedy when used with the Spavin Cure, we think it is well adapted to all cases where any Blister would be applicable.

This Blister is not like many, so powerful as to destroy the skin and other tissues, yet it is very effective, and we believe the very best preparation, of its kind.

Altho this Blister was first designed to be used with the Spavin Cure, we have learned that it works admirably alone, in many cases, and where parties live at a distance, and cannot find the Spavin Cure at their stores, they can easily obtain our Blister by forwarding us the price, (50c) and we will send, by return mail, to any address.

Our Blister is put up in boxes and can be sent by mail with perfect safety to any part of the world.

DR. B. J. KENDALL CO.
Enosburgh Falls, Vt.

Kendall's Spavin Cure

FOR ANIMALS

The **Reliable Remedy** for Spavins, Splints, Curbs, Ringbones, Galls, Callous, Swellings, Sprains. It cures the **Lameness,** and **Removes the Blemish** except in cases of well formed ossification. For Human Flesh it is an excellent Liniment, and can be used with perfect safety.

PRICE $1.00 PER BOTTLE, 6 FOR $5.00

Kendall's Spavin Cure

REFINED FOR HUMAN FLESH

For Rheumatism, Neuralgia, Corns, Bunions, Frost-Bites, Burns, Chilblains, Felons; also any Pain, Bruise, Cut or Lameness requiring an article of this character. **It has Strength to Penetrate and Virtue to Relieve** cases that are not affected by milder liniments.

PRICE 50c PER BOTTLE, 6 FOR $2.50.

Kendall's Blister

To be used in connection with Kendall's Spavin Cure **for Obstinate and Long-Standing** cases of Spavin, Splint, Curb, Ringbone.

PRICE 50c PER BOX, 6 FOR $2.50.

PROF FLINT'S Condition and Renovating POWDERS

The **Best Article known** to us as **a Blood Purifier,** also for Coughs, Pinkeye, Heaves, Hide-Bound, Rough Coat, Epizootic. These powders are made from **absolutely pure drugs,** and for this reason they give most excellent satisfaction.

PRICE 50c PER ONE POUND PACKAGE, 5 FOR $2.25
" 25c " HALF " " 5 FOR $1.15

These Remedies are for sale by all Druggists, or address

DR. B. J. KENDALL CO.,
Enosburg Falls, Vt., U. S. A.

All goods sent on receipt of above prices by mail or Express Charges or Postage paid.

HUTCHINSON'S FAMILY TONIC

A Remedy

For GENERAL DEBILITY

And Relief of

Torpid Liver, Indigestion, Biliousness, and other ailments requiring

A GENERAL TONIC

Formerly known as Hutchinson's Anti-Apoplectine.

A preparation that was long in use by a physician of forty years' active professional experience. It is a combination of remedies for

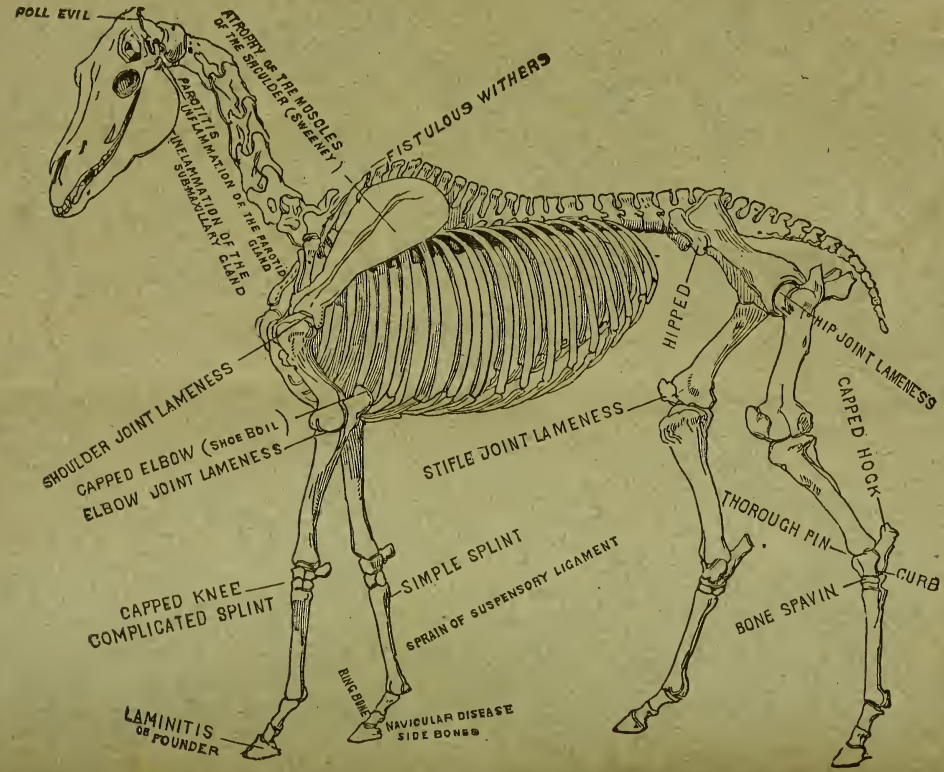
Toning up the System

Read the experience of one of our patrons. W. B. Patch, Morrisville, Vt., writes,—"Have used your Anti-Apoplectine (now FAMILY TONIC) for the past eight years or more for my heart and rheumatism. It has been of much benefit to me."

Ask your druggist for it, or write to the manufacturers:

DR. F. S. HUTCHINSON CO.,
Dr. B. J. Kendall Co., Lessees,
ENOSBURG FALLS, VT.

PRICES—Single bottles $1.00; Six for $5.00. Delivered.


POLL EVIL
ATROPHY OF THE MUSCLES OF THE SHOULDER (SWEENEY)
PAROTITIS INFLAMMATION OF THE PAROTID SUBMAXILLARY GLAND
INFLAMMATION OF THE GLAND
FISTULOUS WITHERS
HIPPED
HIP JOINT LAMENESS
SHOULDER JOINT LAMENESS
CAPPED ELBOW (Shoe BOIL)
ELBOW JOINT LAMENESS
STIFLE JOINT LAMENESS
CAPPED HOCK
THOROUGH PIN
CURB
SIMPLE SPLINT
CAPPED KNEE
COMPLICATED SPLINT
STRAIN OF SUSPENSORY LIGAMENT
BONE SPAVIN
RING BONE
NAVICULAR DISEASE
SIDE BONES
LAMINITIS
OR FOUNDER

KENDALL'S SPAVIN CURE

And Professor Flint's Condition Powders

Also a Full Line of

Pure Drugs, Medicines, Chemicals, &c.

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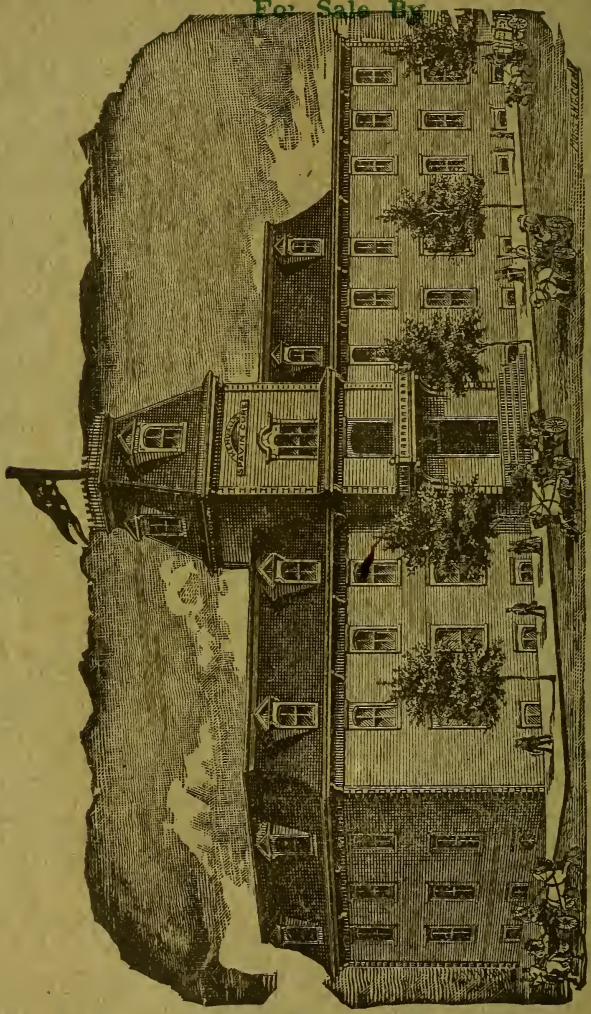

THE ABOVE IS A GOOD REPRESENTATION OF THE NEW LABORATORY AND MANUFACTORY OF DR. B. J. KENDALL CO., ENOSBURGH FALLS, VT., U. S. A., PROPRIETORS OF THE CELEBRATED KENDALL'S SPAVIN CURE.

See description inside.

Eugene R. Littlefield

DRUGGIST

Belmont, N. H.